VEECO INSTRUMENTS INC Form S-4/A April 21, 2017

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As filed with the Securities and Exchange Commission on April 21, 2017

Registration No. 333-216661

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Amendment No. 1

FORM S-4

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

VEECO INSTRUMENTS INC.

(Exact name of Registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

3559

(Primary Standard Industrial Classification Code Number) Terminal Drive Plainview, New York 11803 (516) 677-0200 11-2989601 (I.R.S. Employer Identification Number)

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Gregory A. Robbins Senior Vice President and General Counsel Veeco Instruments Inc. Terminal Drive Plainview, New York 11803 (516) 677-0200

 $(Name, address, including \ zip \ code, and \ telephone \ number, including \ area \ code, of \ agent \ for \ service)$

Copies to:

Thomas J. Knox, Esq. Lawrence R. Bard, Esq. Morrison & Foerster LLP 1650 Tysons Blvd. Suite 400 McLean, VA 22102 (703) 760-7700

(1)

Arthur W. Zafiropoulo Chairman and Chief Executive Officer Ultratech, Inc. 3050 Zanker Road, San Jose, California 95134 (408) 321-8835 Warren T. Lazarow, Esq. David Makarechian, Esq. O'Melveny & Myers LLP 2765 Sand Hill Road Menlo Park, California 94025 (650) 473-2600

Approximate date of commencement of the proposed sale of the securities to the public:

As soon as practicable after this registration statement becomes effective and upon completion of the merger described in the enclosed document.

If the securities being registered on this Form are being offered in connection with the formation of a holding company and there is compliance with General Instruction G, check the following box. o

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer o Accelerated filer ý Non-accelerated filer o Smaller reporting company o

(Do not check if a smaller reporting Emerging growth company o

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. o

company)

If applicable, place an X in the box to designate the appropriate rule provision relied upon in conducting this transaction:

Exchange Act Rule 13e-4(i) (Cross-Border Issuer Tender Offer) o

Exchange Act Rule 14d-l(d) (Cross-Border Third-Party Tender Offer) o

CALCULATION OF REGISTRATION FEE

Title of each class of securities to be registered	Amount to be registered(1)	Proposed maximum offering price per unit	Proposed maximum aggregate offering price(2)	Amount of registration fee(3)(4)
Common Stock, par value \$0.01 per share	7,929,357	N/A	\$220,539,850.32	\$25,560.57

Represents the maximum number of shares of Veeco Instruments Inc. ("Veeco") common stock ("Veeco common stock"), \$0.01 par value per share, to be issuable upon consummation of the merger described herein (the "merger"). The number of shares of Veeco common stock to be issued is based on (i) 29,642,453 shares of common stock of Ultratech, Inc., ("Ultratech"), \$0.01 par value per share, which reflects the estimated maximum number of shares of Ultratech common stock that may be cancelled and exchanged in the merger (calculated as the sum of (X) 27,224,110, the aggregate number of shares of Ultratech common stock outstanding as of March 8, 2017, (Y) 2,043,058, the aggregate number of shares of Ultratech common stock issuable pursuant to the exercise or settlement of Ultratech options, outstanding on March 8, 2017, and (Z) 375,285, the aggregate number of shares of

Ultratech common stock issuable pursuant to the exercise or settlement of Ultratech restricted stock units, outstanding on March 8, 2017 that are or may become issuable upon exercise or settlement, as the case may be, prior to completion of the Merger) and (ii) the exchange ratio of 0.2675 shares of Veeco common stock for each share of Ultratech common stock.

- Pursuant to Rules 457(c), 457(f)(1) and 457(f)(3) promulgated under the Securities Act and solely for the purpose of calculating the registration fee, the proposed maximum aggregate offering price is an amount equal to (a) \$865,263,203.07, calculated as the product of (i) 29,642,453 shares of Ultratech (calculated as shown in footnote 1) and (ii) \$29.19, the average of the high and low trading prices of the Ultratech common stock on March 8, 2017, minus (b) \$644,723,352.75, the estimated aggregate amount of cash to be paid by Veeco to Ultratech stockholders in the merger, calculated as a product of (i) 29,642,453 shares of Ultratech common stock (calculated as shown in footnote 1), and (ii) \$21.75, the cash portion of the merger consideration.
- (3)

 Calculated pursuant to Rule 457 of the Securities Act by multiplying the proposed maximum aggregate offering price of securities to be registered by 0.0001159.
- (4) Previously paid.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the Registration statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

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The information in this proxy statement/prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This proxy statement/prospectus is not an offer to sell these securities and we are not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

PRELIMINARY PROXY STATEMENT/PROSPECTUS SUBJECT TO COMPLETION, DATED APRIL 21, 2017

MERGER PROPOSAL YOUR VOTE IS VERY IMPORTANT

Dear Ultratech Stockholders:

On February 2, 2017, Veeco Instruments Inc. ("Veeco") and Ultratech, Inc. and ("Ultratech") entered into an Agreement and Plan of Merger, dated as of February 2, 2017 (the "merger agreement") that provides for the acquisition of Ultratech by Veeco. Under the terms of the merger agreement, a subsidiary of Veeco will merge with and into Ultratech, with Ultratech surviving the merger as a wholly owned subsidiary of Veeco (the "merger").

If the merger is completed, you will be entitled to receive, in exchange for each share of Ultratech common stock held by you at the effective time (as defined below) of the merger, (1) \$21.75 in cash without interest, (2) 0.2675 of a share of Veeco common stock, subject to the conditions and restrictions set forth in the merger agreement and (3) cash in lieu of fractional shares of Veeco common stock as contemplated by the merger agreement, subject to the terms and conditions of the merger agreement. The implied value of the stock portion of the merger consideration will fluctuate as the market price of Veeco common stock fluctuates. You should obtain current stock price quotations for Ultratech common stock and Veeco common stock before deciding how to vote with respect to the adoption of the merger agreement.

Based on the number of shares of Ultratech common stock outstanding as of April 17, 2017, and the number of shares of Veeco common stock outstanding as of April 17, 2017, it is expected that, immediately after completion of the merger, former Ultratech stockholders will own approximately 15% of the outstanding shares of Veeco common stock. The shares of Veeco common stock are traded, and following the merger will continue to be traded, on The NASDAQ Stock Market under the symbol "VECO."

Ultratech will hold a special meeting of its stockholders to vote on matters related to the proposed merger. The special meeting will be held on May 25, 2017, at 2:00 p.m., local time, at the offices of O'Melveny & Myers LLP, located at 2765 Sand Hill Road, Menlo Park, California 94025. At the special meeting, Ultratech stockholders will be asked to adopt the merger agreement. In addition, Ultratech stockholders will be asked to approve, on a non-binding, advisory basis, the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger and to approve the adjournment of the special meeting, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes at the time of the special meeting to adopt the merger agreement.

The Ultratech board unanimously recommends that Ultratech stockholders vote:

- 1. "FOR" the adoption of the merger agreement;
- 2.

 "FOR" the approval, on a non-binding, advisory basis, of the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger; and
- 3,
 "FOR" the adjournment of the special meeting, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes at the time of the special meeting to adopt the merger agreement.

Your vote is important. We cannot complete the merger without the adoption of the merger agreement by Ultratech stockholders. It is important that your shares be represented and voted regardless of the size of your holdings. A failure to vote will have the same effect as a vote "AGAINST" the adoption of the merger agreement. Whether or not you plan to attend the special meeting, we urge you to submit a proxy to have your shares voted in advance of the special meeting by using one of the methods described in the accompanying proxy statement/prospectus.

The accompanying proxy statement/prospectus provides important information regarding the special meeting and a detailed description of the merger agreement, the merger and the matters to be presented at the special meeting. We urge you to read the accompanying proxy statement/prospectus carefully and in its entirety, including the section entitled "Risk Factors" beginning on page 38 of the accompanying proxy statement/prospectus.

We look forward to seeing you at the special meeting and thank you for your continued support of, and interest in, Ultrat	ech.
Sincerely,	

Arthur W. Zafiropoulo

Chairman of the Board and Chief Executive Officer

, 2017

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the merger or the securities to be issued in connection with the merger or determined if the accompanying proxy statement/prospectus is accurate or complete. Any representation to the contrary is a criminal offense.

The accompanying proxy statement/prospectus is dated $\,$, 2017 and is first being mailed to Ultratech stockholders on or about $\,$, 2017.

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ULTRATECH, INC. NOTICE OF SPECIAL MEETING OF STOCKHOLDERS

Date: May 25, 2017

Time: 2:00 p.m., local time

Place: 2765 Sand Hill Road, Menlo Park, California 94025

Items of Business:

- Merger Proposal. To vote on a proposal (the "Merger Proposal") to adopt the Agreement and Plan of Merger, dated as of February 2, 2017 (the "merger agreement"), by and among Ultratech, Inc., a Delaware corporation ("Ultratech"), Veeco Instruments Inc., a Delaware corporation ("Veeco"), and Ulysses Acquisition Subsidiary Corp., a Delaware corporation and wholly owned subsidiary of Veeco ("Merger Subsidiary"), which provides for the merger of Merger Subsidiary with and into Ultratech, with Ultratech surviving the merger as a wholly owned subsidiary of Veeco (the "merger").
- 2. *Non-Binding, Advisory Approval of Compensation Payments.* To vote on a proposal (the "Compensation Proposal") to approve, on a non-binding, advisory basis, the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger.
- 3. Adjournment of the Special Meeting. To vote on a proposal (the "Adjournment Proposal") to approve the adjournment of the special meeting, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes at the time of the special meeting to approve the Merger Proposal.

Ultratech will transact no other business at the special meeting, except for business properly brought before the special meeting or any adjournment or postponement thereof.

Record Date:

Only Ultratech stockholders of record at the close of business on April 20, 2017 (the "record date") may vote at the special meeting or at any postponement or adjournment of the meeting.

Recommendations of the Ultratech Board of Directors:

The Ultratech Board of Directors unanimously recommends that Ultratech stockholders vote "FOR" the Merger Proposal; "FOR" the Compensation Proposal; and "FOR" the Adjournment Proposal.

Please carefully read the accompanying proxy statement/prospectus, which describes the matters to be voted upon at the special meeting and how to vote your shares. Your vote is very important. To ensure your representation at the special meeting, please promptly complete and return the enclosed proxy card or submit your proxy by telephone or through the Internet.

BY ORDER OF THE BOARD OF DIRECTORS

Arthur W. Zafiropoulo

Chairman of the Board and Chief Executive Officer

This Notice of Special Meeting of Stockholders is being distributed and made available on or about

, 2017.

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ADDITIONAL INFORMATION

This proxy statement/prospectus incorporates by reference important business and financial information about Veeco and Ultratech from other documents that are not included in or delivered with this proxy statement/prospectus. This information is available to you without charge upon your written or oral request. You can obtain the documents incorporated by reference into this proxy statement/prospectus by requesting them in writing or by telephone from the appropriate company at the following addresses and telephone numbers:

Veeco Instruments Inc.

Terminal Drive Plainview, New York 11803 Telephone: (516) 677-0200 Attn: Investor Relations

Ultratech, Inc.

3050 Zanker Road San Jose, California 95134 Telephone: (408) 321-8835 Attn: Investor Relations

or

D.F. King & Co., Inc.

48 Wall Street, 22nd Floor New York, NY 10005 Stockholders call toll-free: (800) 967-5085 Banks and Brokers call collect: (212) 269-5550

Email: ultratech@dfking.com

Investors may also consult Vecco's and Ultratech's websites for more information concerning the merger described in this proxy statement/prospectus. Vecco's website is www.Vecco.com and Ultratech's website is www.Ultratech.com. Information included on these websites is not incorporated by reference into this proxy statement/prospectus.

In addition, if you have questions about the merger, the special meeting, or the proposals to be considered at the special meeting, need additional copies of this document and the annexes to this document, or need to obtain proxy cards or other information related to the proxy solicitation, you may contact Ultratech's proxy solicitor, D.F. King & Co., Inc., at the address and telephone number set forth above.

If you would like to request any documents, please do so by May 18, 2017 in order to receive them before the special meeting.

For more information, please see the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

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ABOUT THIS PROXY STATEMENT/PROSPECTUS

This proxy statement/prospectus, which forms part of a registration statement on Form S-4 filed with the United States Securities and Exchange Commission (the "SEC") by Veeco, constitutes a prospectus of Veeco under Section 5 of the Securities Act of 1933, as amended (the "Securities Act"), with respect to the shares of Veeco common stock to be issued pursuant to the merger. This proxy statement/prospectus also constitutes a proxy statement for Ultratech under Section 14(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). It also constitutes a notice of meeting with respect to the special meeting.

This proxy statement/prospectus does not constitute an offer to sell, or a solicitation of an offer to buy, any securities, or the solicitation of a proxy, in any jurisdiction to or from any person to whom it is unlawful to make any such offer or solicitation. Information contained in this proxy statement/prospectus regarding Veeco has been provided by Veeco and information contained in this proxy statement/prospectus regarding Ultratech has been provided by Ultratech.

All references in this proxy statement/prospectus to "Veeco" refer to Veeco Instruments Inc., a Delaware corporation, and its consolidated subsidiaries, unless the context requires otherwise; all references in this proxy statement/prospectus to "Ultratech" refer to Ultratech, Inc., a Delaware corporation, and its consolidated subsidiaries, unless the context requires otherwise; all references to "Merger Subsidiary" refer to Ulysses Acquisition Subsidiary Corp., a Delaware corporation and wholly owned subsidiary of Veeco formed for the sole purpose of effecting the merger; unless otherwise indicated or as the context requires, all references in this proxy statement/prospectus to "we," "our" and "us" refer to Veeco and Ultratech, collectively; unless otherwise indicated or as the context requires, all references to the "merger agreement" refer to the Agreement and Plan of Merger dated as of February 2, 2017, by and among Veeco, Merger Subsidiary and Ultratech, a copy of which is included as Annex A to this proxy statement/prospectus. All summaries of, and references to, the merger agreement are qualified by the full copy of and complete text of such agreement in the form attached hereto as Annex A. Also, in this proxy statement/prospectus, "\$" refers to U.S. dollars.

Ultratech stockholders should not construe the contents of this proxy statement/prospectus as legal, tax or financial advice. Ultratech stockholders should consult with their own legal, tax, financial or other professional advisors.

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OUESTIONS AND ANSWERS

The following are some questions that you, as a stockholder of Ultratech, Inc. ("Ultratech") may have regarding the merger and the other matters being considered at the special meeting and the answers to those questions. Veeco Instruments Inc. ("Veeco") and Ultratech urge you to carefully read the remainder of this proxy statement/prospectus because the information in this section does not provide all the information that might be important to you with respect to the merger and the other matters being considered at the special meeting. Additional important information is also contained in the Annexes to, and the documents incorporated by reference into, this proxy statement/prospectus.

General Questions and Answers about the Merger

Q: What is the proposed transaction on which I am being asked to vote?

A:
You are being asked to vote to adopt the Agreement and Plan of Merger, dated as of February 2, 2017 (the "merger agreement"), entered into by and among Veeco, Ulysses Acquisition Subsidiary Corp., a wholly owned subsidiary of Veeco ("Merger Subsidiary"), and Ultratech. A copy of the merger agreement is included as Annex A to this proxy statement/prospectus. Pursuant to the merger agreement, Merger Subsidiary will merge with and into Ultratech, with Ultratech surviving the merger as a wholly owned subsidiary of Veeco (the "merger").

The merger cannot be completed unless, among other things, holders of a majority of the shares of the outstanding Ultratech common stock as of the record date (as defined below) for the special meeting of Ultratech stockholders (the "special meeting") vote to adopt the merger agreement. See the section entitled "The Merger Agreement Conditions to Closing" beginning on page 119 of this proxy statement/prospectus for more information.

Ultratech stockholders will also be asked to approve the Adjournment Proposal and the Compensation Proposal, both as defined below in the section entitled " What are the proposals on which the Ultratech stockholders are being asked to vote?"

Q: Why am I receiving this proxy statement/prospectus?

A:

This proxy statement/prospectus contains important information about the merger and the other proposals being voted on at the special meeting, and you should read it carefully. It is a proxy statement because the Ultratech Board of Directors (the "Ultratech board") is soliciting proxies from its stockholders. It is a prospectus because Veeco will issue shares of Veeco common stock to Ultratech's stockholders in connection with the merger. The enclosed materials allow you to have your shares voted by proxy without attending the special meeting in person. Your vote is important. We encourage you to submit your proxy as soon as possible.

Q: What will Ultratech stockholders receive for their shares of Ultratech common stock in the merger?

If the merger is completed, Ultratech stockholders will be entitled to receive, in exchange for each share of Ultratech common stock they hold at the effective time (as defined below) of the merger, (1) \$21.75 in cash without interest (the "cash consideration"), (2) 0.2675 shares of Veeco common stock, subject to the conditions and restrictions set forth in the merger agreement (the "stock consideration" and, together with the cash consideration, the "merger consideration"), and (3) cash in lieu of fractional shares of Veeco common stock as contemplated by the merger agreement, subject to adjustment in certain cases as described in the merger agreement. See the section entitled "The Merger Agreement The Merger" beginning on page 100 of this proxy statement/prospectus.

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Q: What is the value of the merger consideration?

A:

The value of the cash consideration is fixed at \$21.75. However, the value of the stock consideration will fluctuate as the market price of Veeco common stock fluctuates before the completion of the merger. This price at closing will not be known at the time of the special meeting and may be more or less than the current price of Veeco common stock or the price of Veeco common stock at the time of the special meeting. Based on the closing stock price of Veeco common stock on Nasdaq on February 1, 2017, the last trading day before the public announcement of the execution of the merger agreement, of \$25.75, the value of the stock consideration was \$6.89. Based on the closing stock price of Veeco common stock on Nasdaq on , 2017, the latest practicable date before the mailing of this proxy statement/prospectus, of \$, the value of the stock consideration was \$. We urge you to obtain current market quotations for shares of Veeco common stock and Ultratech common stock. See the sections entitled "The Merger Agreement The Merger" beginning on page 100 of this proxy statement/prospectus.

When will I receive the merger consideration to which I am entitled?

After the merger is completed, when you properly complete and return the letter of transmittal and any other documents reasonably required by the exchange agent, you will receive the merger consideration and any fractional share cash amount into which the shares have been converted. More information may be found under the section entitled "The Merger Agreement Exchange Agent; Letter of Transmittal" beginning on page 103 of this proxy statement/prospectus.

Q: Does my vote matter?

A:

Yes. The merger cannot be completed unless the merger agreement is approved by the Ultratech stockholders. If you fail to submit a proxy or vote in person at the special meeting, or vote to abstain, or you do not provide your bank, brokerage firm or other nominee with voting instructions, as applicable, this will have the same effect as a vote "against" the approval of the merger agreement. The Ultratech board unanimously recommends that stockholders vote "FOR" the proposal to adopt the merger agreement.

Q: After the Merger, how much of Veeco will Ultratech stockholders own?

Based on the number of shares of Ultratech common stock outstanding as of April 17, 2017, and the number of shares of Veeco common stock outstanding as of April 17, 2017, it is expected that, immediately after completion of the merger, former Ultratech stockholders will own approximately 15% of the outstanding shares of Veeco common stock.

Q: Will Ultratech stockholders be able to trade the shares of Veeco common stock that they receive in the transaction?

A:
Yes. Shares of Veeco common stock are listed on Nasdaq under the symbol "VECO". Shares of Veeco common stock received in exchange for shares of Ultratech common stock in the merger will be freely transferable under U.S. federal securities laws.

What will I receive in the merger in exchange for my equity awards?

A: Stock Options. At or immediately prior to the effective time of the merger, each outstanding option to purchase shares of Ultratech common stock (each, an "Ultratech Option") will vest and be canceled and converted into the right to receive an amount in cash equal to the product of (i) the number of shares of Ultratech common stock subject to such Ultratech Option immediately prior to the effective time and (ii) the excess, if any, of (A) the Equity Award Merger

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Consideration (as defined below) over (B) the exercise price per share subject to such canceled Ultratech Option. Ultratech Options that have an exercise price per share that is greater than the Equity Award Merger Consideration will be canceled in exchange for no consideration. Vecco will cause the surviving corporation to pay the cash payment described above to the holder of the applicable Ultratech Option at or reasonably promptly after the effective time of the merger (but in no event later than three business days after the effective time).

Vested Restricted Stock Units. At or immediately prior to the effective time of the merger, each award of restricted stock units with respect to shares of Ultratech common stock that is outstanding and vested immediately prior to the effective time, including those restricted stock units that become vested by their terms immediately prior to or as of the effective time (each, an "Ultratech Vested RSU") will be canceled and converted into the right to receive an amount in cash equal to the product of (i) the number of shares of Ultratech common stock subject to such Ultratech Vested RSU immediately prior to the effective time and (ii) the Equity Award Merger Consideration. Veeco will cause the surviving corporation to pay the cash payment described above to the holder of the applicable Ultratech Vested RSU at or reasonably promptly after the effective time of the merger (but in no event later than three business days after the effective time).

Unvested Restricted Stock Units. At the effective time of the merger, each award of restricted stock units with respect to shares of Ultratech common stock that is outstanding and unvested immediately prior to the effective time (each, an "Ultratech Unvested RSU") will be assumed by Veeco and converted into a number of restricted stock units of Veeco common stock ("Converted RSUs"), rounded down to the nearest whole number, equal to the product of (i) the number of shares subject to the Ultratech Unvested RSU and (ii) the Equity Conversion Ratio (as defined below). Any Converted RSUs so issued will be subject to the same terms and conditions as were applicable under the Ultratech Unvested RSUs; provided, that all references to "Company" in Ultratech's equity incentive plan and award agreements will be references to Veeco.

See the section entitled "The Merger Agreement Treatment of Ultratech Options and Other Equity-Based Awards" beginning on page 101 of this proxy statement/prospectus.

- Q:
 Do any of Ultratech's directors or executive officers have interests in the merger that may differ from those of Ultratech stockholders?
- A:

 Ultratech's non-employee directors and executive officers have certain interests in the merger that may be different from, or in addition to, the interests of Ultratech stockholders generally. The Ultratech board was aware of and considered these interests, among other matters, in evaluating the merger agreement and the merger, and in recommending that Ultratech stockholders adopt the merger agreement. For a description of these interests, refer to the section entitled "The Merger Interests of Ultratech's Directors and Executive Officers in the Merger" beginning on page 88 of this proxy statement/prospectus.
- Q: What is required to complete the merger?

A:

Each of Veeco's and Ultratech's obligation to consummate the merger is subject, as relevant, to a number of conditions specified in the Merger Agreement, including the following: (1) adoption by Ultratech stockholders of the merger agreement; (2) the absence of any temporary restraining order, preliminary or permanent injunction or other judgment issued by any court of competent jurisdiction pending or in effect that would enjoin or otherwise prohibit the consummation of the merger; (3) all approvals and the expiration or termination of any applicable waiting period necessary under the HSR Act having been obtained or having expired or been terminated, as applicable; (4) the Form S-4 of which this proxy statement/prospectus forms a part having been declared effective by the SEC under the 1933 Act, no stop order suspending the effectiveness of

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A:

the Form S-4 having been issued by the SEC and no proceedings for that purpose having been initiated by the SEC; (5) authorization by Nasdaq for listing of the shares of Veeco common stock to be issued in the merger; (6) accuracy of representations and warranties of the parties to the applicable standard provided by the merger agreement (including a representation that Ultratech and its subsidiaries have, on a consolidated basis, at least \$180,000,000 of available cash held in the United States at closing); (7) no "Company Material Adverse Effect" or "Parent Material Adverse Effect" having occurred since the date of the merger agreement and (8) performance by the parties with all of their obligations required to be performed by the merger agreement in all material respects. The consummation of the merger is not subject to a financing condition. See the section entitled "The Merger Agreement Conditions to Closing" beginning on page 119 of this proxy statement/prospectus.

Q: When do you expect the merger to be completed?

A:

Veeco and Ultratech expect the closing of the merger (the "closing") to occur in the second quarter of calendar year 2017. However, the merger is subject to various regulatory approvals and the satisfaction or waiver of other conditions, and it is possible that factors outside the control of Veeco and Ultratech could result in the merger being completed at an earlier time, a later time or not at all. The merger will become effective at such time as a certificate of merger is duly filed with the Secretary of State of the State of Delaware on the date on which the closing occurs (the "closing date"), or at such subsequent date or time as may be specified in the certificate of merger (the "effective time").

Q: Will I be subject to U.S. federal income tax upon the exchange of shares of Ultratech common stock for the merger consideration?

A:

If you are a U.S. Holder (as defined below), the exchange of your shares of Ultratech common stock for cash and shares of Veeco common stock in the merger will be a taxable transaction for U.S. federal income tax purposes, which generally will require you to recognize gain or loss for U.S. federal income tax purposes in an amount equal to the difference, if any, between the sum of the amount of cash and the fair market value of the shares of Veeco common stock you receive in the merger and your tax basis in the shares of Ultratech common stock exchanged in the merger.

If you are a Non-U.S. Holder (as defined below), you generally will not be subject to U.S. federal income tax with respect to the exchange of shares of Ultratech common stock for cash and shares of Veeco common stock in the merger, unless you have certain connections to the United States.

Because particular circumstances may differ, we recommend that you consult your own tax advisor to determine the U.S. federal income tax consequences to you relating to the merger in light of your own particular circumstances and the consequences to you arising under U.S. federal non-income tax laws or the laws of any state, local or non-U.S. taxing jurisdiction. A more complete description of material U.S. federal income tax consequences of the merger is provided in the section entitled "Material U.S. Federal Income Tax Consequences" beginning on page 126 of this proxy statement/prospectus.

Q: Are there any risks that I should consider in deciding whether to vote for the adoption of the merger agreement?

Yes. You should read and carefully consider the risk factors set forth in the section entitled "Risk Factors Relating to the Merger" beginning on page 38 of this proxy statement/prospectus. You should also read and carefully consider the risk factors of Veeco and Ultratech contained in the documents that are incorporated by reference into this proxy statement/prospectus.

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A:

Q: What happens if the merger is not completed?

If the merger agreement is not adopted by Ultratech's stockholders or if the merger is not completed for any other reason, Ultratech's stockholders will not receive the merger consideration in exchange for their shares of Ultratech common stock. Instead, Ultratech will remain an independent public company and Ultratech common stock will continue to be listed and traded on Nasdaq. Under specified circumstances, Ultratech may be required to pay Veeco a termination fee of \$26.5 million, as described in the section entitled "The Merger Agreement Termination Fee Payable by Ultratech" beginning on page 123 of this proxy statement/prospectus.

Questions and Answers about the Special Meeting

Q: When and where will the special meeting be held?

A:
The special meeting of Ultratech stockholders will be held on May 25, 2017 at 2:00 p.m., local time, at the offices of O'Melveny & Myers LLP, located at 2765 Sand Hill Road, Menlo Park, California 94025.

Q: Who is soliciting my proxy to vote at the special meeting?

A:

The Ultratech board is soliciting your proxy to vote at the special meeting. This proxy statement/prospectus summarizes the information you need to know to vote on the proposals to be presented at the special meeting.

Who is entitled to vote?

A:
Only holders of record of Ultratech common stock at the close of business on April 20, 2017, the record date for the meeting (the "record date"), are entitled to notice of, and to vote at, the special meeting and any postponements or adjournments of the meeting. On the record date, 27,242,013 shares of Ultratech common stock were issued and outstanding and no shares of Ultratech's preferred stock were outstanding.

Q: What are the proposals on which I am being asked to vote?

There are three proposals that will be voted on at the special meeting:

Merger Proposal: The proposal to adopt the merger agreement, which provides for the merger of Merger Subsidiary with and into Ultratech, with Ultratech surviving the merger as a wholly owned subsidiary of Veeco (the "Merger Proposal").

Compensation Proposal: The proposal to approve, on a non-binding, advisory basis, the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger (the "Compensation Proposal").

Adjournment Proposal: The proposal to approve the adjournment of the special meeting, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes at the time of the special meeting to approve the Merger Proposal (the "Adjournment Proposal").

Approval by stockholders of Ultratech of the Merger Proposal (the "Ultratech stockholder approval") is required for completion of the merger. Approval by Ultratech's stockholders of the Compensation Proposal and the Adjournment Proposal is not required for completion of the merger. No other matters are intended to be brought before the special meeting by Ultratech.

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- Q: What vote is required for approval of the proposals in this proxy statement/prospectus, and what happens if I abstain?
- A: The following are the vote requirements:

Merger Proposal: The affirmative vote, in person or by proxy, of holders of a majority of the outstanding shares of Ultratech common stock entitled to vote as of the record date is required to approve the Merger Proposal. If you abstain from voting, fail to vote at the special meeting, or fail to instruct your broker, bank or other nominee how to vote on the Merger Proposal, it will have the same effect as a vote cast against the Merger Proposal.

Compensation Proposal: The affirmative vote, in person or by proxy, of holders of a majority of the shares of Ultratech common stock present in person or represented by proxy at the special meeting and entitled to vote thereon is required to approve the Compensation Proposal. If you abstain from voting or attend the special meeting and fail to vote, it will have the same effect as a vote cast against the Compensation Proposal. If you do not attend the special meeting or fail to instruct your broker, bank or other nominee how to vote on the Compensation Proposal, it will have no effect on the outcome of the vote on the Compensation Proposal, assuming a quorum is present.

Adjournment Proposal: The affirmative vote, in person or by proxy, of holders of a majority of the shares of Ultratech common stock present in person or represented by proxy at the special meeting and entitled to vote thereon is required to approve the Adjournment Proposal. If you abstain from voting or attend the special meeting and fail to vote, it will have the same effect as a vote cast against the Adjournment Proposal. If you do not attend the special meeting or fail to instruct your broker, bank or other nominee how to vote on the Adjournment Proposal, it will have no effect on the outcome of the vote on the Adjournment Proposal, assuming a quorum is present.

- Q:

 How does the Ultratech board recommend that I vote my shares of Ultratech common stock on the proposals?
- A:

 The Ultratech board unanimously recommends that stockholders vote their shares of Ultratech common stock:

"FOR" the Merger Proposal;

"FOR" the Compensation Proposal; and

"FOR" the Adjournment Proposal.

- Q: Why did the Ultratech board approve the merger agreement and the transactions contemplated thereby, including the merger?
- To review the Ultratech board's reasons for approving and recommending adoption of the merger agreement and the transactions contemplated thereby, including the merger, see the section entitled "The Merger Recommendation of the Ultratech Board; Ultratech's Reasons for the Merger" beginning on page 70 of this proxy statement/prospectus.
- Q: How do I vote?

A:

A:

If you are a stockholder of record of Ultratech as of the record date:

You may vote in person at the special meeting; or

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A:

A:

You may vote by completing, signing, dating and mailing the enclosed proxy card in the envelope provided, or by submitting a proxy by telephone or over the Internet by following the instructions on the enclosed proxy card.

If your shares of Ultratech common stock are held in the name of your broker, bank or other nominee, you should submit voting instructions to your broker, bank or other nominee. Please refer to the voting instruction card included in these proxy materials by your broker, bank or other nominee or contact your broker, bank or other nominees to obtain instructions on how to instruct them with respect to the voting of your shares.

Q:

If my shares are held in a stock brokerage account, or in "street name" by my broker, bank or nominee, will my broker, bank or nominee automatically vote my shares for me?

No. If your shares are held in the name of a broker, bank or other nominee, you are considered the "beneficial holder" of the shares held for you in what is known as "street name". You are not the "record holder" of such shares. If this is the case, this proxy statement/prospectus has been forwarded to you by your broker, bank or other nominee. As the beneficial holder, unless your broker, bank or other nominee has discretionary authority over your shares, you generally have the right to direct your broker, bank or other nominee as to how to vote your shares. You can contact your broker, bank or other nominees to obtain instructions on how to instruct them with respect to the voting of your shares. If you do not provide voting instructions, your shares will not be counted in determining whether a quorum is present at the special meeting or be voted on any proposal on which your broker, bank or other nominee does not have discretionary authority. This is often called a "broker non-vote". In order to avoid broker non-votes with respect to your shares of Ultratech common stock, you should provide your broker, bank or other nominee with instructions as to how to vote your shares of Ultratech common stock.

Please note that you may not vote shares held in street name by returning a proxy card directly to Ultratech or by voting in person at the special meeting unless you first obtain a proxy from your broker, bank or other nominee. Please follow the voting instructions provided by your broker, bank or other nominee so that it may vote your shares on your behalf.

Q: How do proxies work?

The Ultratech board is asking for your proxy. Giving us your proxy means that you authorize us to vote your shares at the annual meeting in the manner you direct.

You may vote for all, some, or none of the proposals above. However, a failure to vote on the Merger Proposal or an abstention on the Merger Proposal will have the same effect as a vote against. You may also vote for or against the other items or abstain from voting on them.

If you sign and return the enclosed proxy card but do not specify how to vote, we will vote your shares "FOR" the Merger Proposal, "FOR" the Compensation Proposal and "FOR" the Adjournment Proposal.

Q: How many votes do I have?

A:

Ultratech stockholders are entitled to cast one vote for each share of Ultratech common stock held as of the record date on all matters properly submitted for voting. On the record date, 27,242,013 shares of Ultratech common stock were issued and outstanding and no shares of Ultratech's preferred stock were outstanding.

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Q: What if I sell my shares of Ultratech common stock before the special meeting?

A:

If you transfer your shares of Ultratech common stock after the record date but before the special meeting, you will, unless you provide the transferee of your shares with a proxy, retain your right to vote at the special meeting, but will have transferred the right to receive the merger consideration. In order to receive the merger consideration, you must hold your shares through the effective time.

Q: What does it mean if I get more than one proxy card to vote my shares of Ultratech common stock?

A:
You may receive more than one set of voting materials, including multiple copies of this proxy statement/prospectus and multiple paper proxy cards or voting instruction cards. For example, if you hold your shares of Ultratech common stock in more than one brokerage account, you may receive a set of proxy materials for each brokerage account in which you hold shares. If you are an Ultratech stockholder of record and your shares of Ultratech common stock are registered in more than one name, you will receive more than one set of proxy materials. Please sign, date and return each proxy card and voting instruction card that you receive and follow the voting instructions set forth in this proxy statement/prospectus to ensure that all your shares of Ultratech common stock are voted.

Q: Can I change my vote?

A:

Yes, if you are a stockholder of record as of the record date, you may change your vote: (1) by delivering to Ultratech (Attention: Corporate Secretary, Ultratech, Inc., 3050 Zanker Road, San Jose, California 95134), prior to your shares being voted at the special meeting, a later dated written notice of revocation or a later dated duly executed proxy card; or (2) by attending the special meeting and voting in person (although attendance at the special meeting will not, by itself, revoke a proxy). A stockholder of record who has voted on the Internet or by telephone may also change his or her vote by subsequently making a timely and valid Internet or telephone vote.

If you are a beneficial owner of shares held in "street name" by a broker, bank or other nominee, you may revoke your proxy and vote your shares in person at the special meeting only in accordance with applicable rules and procedures as employed by such broker, bank or other nominee. If your shares are held in an account at a broker, bank or other nominee, you should contact your broker, bank or other nominee to change your vote.

Q: How many shares must be present to hold the special meeting?

A:

Holders of a majority in voting power of the issued and outstanding shares of Ultratech common stock entitled to vote at the special meeting must be present in person or represented by proxy at the special meeting in order to have the required quorum for transacting business. Stockholders are counted as present at the meeting if they (1) are present in person at the special meeting; or (2) have properly submitted a proxy card or submitted a proxy by telephone or over the Internet. Abstaining votes are considered present and entitled to vote and, therefore, are included for purposes of determining whether a quorum is present at the special meeting. Broker non-votes are not entitled to vote and, therefore, are not included for purposes of determining whether a quorum is present at the special meeting.

Q: Are Ultratech stockholders entitled to appraisal rights?

A:

Record holders of Ultratech common stock who do not vote in favor of the Merger Proposal and otherwise comply with the requirements and procedures of Section 262 of the Delaware General Corporation Law (the "DGCL"), are entitled to exercise appraisal rights, which generally entitle

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stockholders to receive in lieu of the merger consideration a cash payment of an amount determined by the Court of Chancery of the State of Delaware (the "Court of Chancery") to be the fair value of their Ultratech common stock. However, notwithstanding a stockholder's compliance with the DGCL in perfecting appraisal rights, Section 262(g) of the DGCL provides that, because immediately prior to the effective time of the merger Ultratech common stock will be listed on a national securities exchange, the Court of Chancery will dismiss the proceedings as to all holders of Ultratech common stock who are otherwise entitled to appraisal rights unless (1) the total number of shares entitled to appraisal exceeds 1% of the outstanding shares of the class or series eligible for appraisal or (2) the value of the consideration provided in the merger for such total number of shares exceeds \$1 million. The fair value of Ultratech common stock could be less than, more than or the same as the merger consideration. A detailed description of the procedures required to be followed in order to perfect appraisal rights by Ultratech stockholders if desired is included in the section entitled "The Merger Appraisal Rights" beginning on page 95 of this proxy statement/prospectus. The full text of Section 262 of the DGCL is attached as Annex C to this proxy statement/prospectus. Due to the complexity of the procedures described above, Ultratech stockholders who are considering exercising such rights are encouraged to seek the advice of legal counsel.

- Q:
 Why am I being asked to approve, on a non-binding, advisory basis, the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger?
- A:

 The SEC has adopted rules that require Ultratech to seek a non-binding, advisory vote on the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger. Ultratech urges its stockholders to read the section entitled "The Merger Interests of Ultratech's Directors and Executive Officers in the Merger" beginning on page 88 of this proxy statement/prospectus, which describes in more detail how Ultratech's compensation policies and procedures relating to its named executive officers operate and how they are designed to achieve Ultratech's compensation objectives.
- Q:
 What happens if the proposal to approve, on a non-binding, advisory basis, the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger is not approved?
- A:

 Approval, on a non-binding, advisory basis, of the compensation payments that will or may be made by Ultratech to Ultratech's named executive officers in connection with the merger is not a condition to completion of the merger. The vote is a non-binding, advisory vote and is therefore not binding on Ultratech, the Ultratech board, the compensation committee of the Ultratech board, Veeco, Veeco's Board of Directors (the "Veeco board") or the compensation committee of the Veeco board. Since compensation and benefits to be paid or provided in connection with the merger are based on contractual arrangements with the named executive officers, the outcome of this advisory vote will not affect the obligation to make these payments and these payments may still be made even if the Ultratech stockholders do not approve, on a non-binding, advisory basis, the Compensation Proposal.
- Q: Who pays for the solicitation of proxies to vote at the special meeting?
- A:

 Ultratech will bear the entire cost of proxy solicitation, including preparation, assembly, printing and mailing of the notice of special meeting, proxy card, this proxy statement/prospectus and any additional materials furnished to Ultratech's stockholders. Copies of these materials will be furnished to brokerage houses, fiduciaries and custodians holding shares in their names that are beneficially owned by others to forward to those beneficial owners. In addition, Ultratech may reimburse the costs of forwarding these materials to those beneficial owners. Solicitation of proxies

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by mail may be supplemented by one or more of telephone, email, facsimile or personal solicitation by Ultratech's directors, officers or employees. No additional compensation will be paid for such services. Ultratech has engaged D.F. King & Co., Inc. to aid in the solicitation of proxies from brokers, bank nominees and other institutional owners for approximately \$10,000, plus reimbursement of related expenses.

- Q: Should I send in my share certificate(s) now?
- A:

 No. Please do not send any share certificates with your proxy card. After the merger is completed, you will receive written instructions, including a letter of transmittal, for exchanging your shares of Ultratech common stock for the cash payment and shares of Veeco common stock you are entitled to receive in connection with the merger.
- Q: Where can I find the voting results of the special meeting?
- A:

 The preliminary voting results will be announced at the special meeting. In addition, within four business days following the vote at the special meeting, Ultratech intends to file the final voting results with the SEC on a Current Report on Form 8-K.
- Q: Whom should I call if I have questions?
- A:

 If you have questions or if you need assistance submitting your proxy or voting your shares or need additional copies of this proxy statement/prospectus or the enclosed proxy card, you should contact Ultratech's proxy solicitor at:

D.F. King & Co., Inc. 48 Wall Street, 22nd Floor New York, NY 10005 Stockholders call toll-free: (800) 967-5085 Banks and Brokers call collect: (212) 269-5550

Email: ultratech@dfking.com

You may also contact the Ultratech Investor Relations department at:

Investor Relations, Ultratech, Inc.

3050 Zanker Road

San Jose, California 95134

Telephone number: (408) 321-8835

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SUMMARY

This summary highlights information contained elsewhere in this proxy statement/prospectus and may not contain all the information that is important to you with respect to the merger and the other matters being considered at the special meeting. You are urged to read the remainder of this proxy statement/prospectus carefully, including the attached Annexes, and the other documents referred to or incorporated by reference herein. See also the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus. Each item in this summary refers to the page of this proxy statement/prospectus on which that subject is discussed in more detail.

The Companies

Veeco Instruments Inc. (see page 17)

Veeco creates process equipment that enables technologies for a cleaner and more productive world. Veeco designs, develops, manufactures, markets, and supports thin film equipment to meet the demands of key global trends such as improving energy efficiency, enhancing mobility, and increasing connectivity. Veeco's equipment is used to make electronic devices which enable these trends, including light emitting diodes ("LEDs"), micro-electromechanical systems ("MEMS"), wireless devices, power electronics, hard disk drives ("HDDs"), and semiconductor devices. Veeco's products are sold to semiconductor and advanced packaging device manufacturers, and Veeco may also license its technology to its customers or partners.

Veeco develops highly differentiated, "best-in-class" equipment for critical performance steps in thin film processing. Veeco's products provide leading technology at low cost-of-ownership. Core competencies in advanced thin film technologies and decades of specialized process know-how help Veeco stay at the forefront of these rapidly advancing industries.

Veeco's portfolio of technology solutions sell into four key market areas: Lighting, Display & Power Electronics; Advanced Packaging, MEMS & Radio Frequency; Scientific & Industrial; and Data Storage.

Veeco was organized as a Delaware corporation in 1989. Veeco's headquarters are located at 1 Terminal Drive, Plainview, New York 11803, and its telephone number is (516) 677-0200. Veeco has sales and service operations across the Asia-Pacific region, Europe, and North America to address its customers' needs. Veeco's website is www.veeco.com. The information on Veeco's website is not incorporated by reference into this proxy statement/prospectus. See the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

Ultratech, Inc. (see page 17)

Ultratech designs, builds and markets manufacturing systems for the global technology industry. Founded in 1979, Ultratech serves three core markets: frontend semiconductor, backend semiconductor, and nanotechnology. Ultratech is the leading supplier of lithography products for bump packaging of integrated circuits and high-brightness LEDs. Ultratech is also the market leader and pioneer of LSA technology for the production of advanced semiconductor devices. In addition, Ultratech offers solutions leveraging its proprietary CGS technology to the semiconductor wafer inspection market and provides ALD tools to leading research organizations, including academic and industrial institutions.

The principal executive offices of Ultratech are located at 3050 Zanker Road, San Jose, California 95134, and its telephone number is (408) 321-8835. Additional information about Ultratech and its subsidiaries is included in documents incorporated by reference into this proxy statement/prospectus. See the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

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Ulysses Acquisition Subsidiary Corp. (see page 17)

Merger Subsidiary is a wholly owned subsidiary of Veeco and is a Delaware corporation. Merger Subsidiary was formed on February 1, 2017, for the sole purpose of effecting the merger. In the merger, Merger Subsidiary will be merged with and into Ultratech, with Ultratech surviving as a wholly owned subsidiary of Veeco. The principal executive offices of Merger Subsidiary are located at 1 Terminal Drive, Plainview, New York 11803, and its telephone number is (516) 677-0200.

Comparative Market Price and Dividend Information (Unaudited)

(see page 36)

Shares of Veeco's common stock are listed for trading on Nasdaq under the symbol "VECO" and shares of Ultratech common stock are listed for trading on Nasdaq under the symbol "UTEK". The following table sets forth the closing sales prices of a share of Veeco common stock (as reported on Nasdaq) and of Ultratech common stock (as reported on Nasdaq), each on February 1, 2017, the last trading day before the day on which Veeco and Ultratech announced the execution of the merger agreement, and on , 2017, the last practicable trading day before the date of this proxy statement/prospectus.

	Veeco	Ultratech
	Common	Common
	Stock	Stock
	Price per	Price per
	Share	Share
February 1, 2017	\$ 25.7	5 \$ 25.94
, 2017	\$	\$

The market prices of Veeco common stock and Ultratech common stock will fluctuate before the special meeting and before the merger is consummated. You should obtain current stock price quotations from a newspaper, the Internet or your broker or banker.

Veeco's Dividend Policy. Veeco has never declared or paid any cash dividends on its common stock. The Veeco board will determine future dividend policy based on Veeco's consolidated results of operations, financial condition, capital requirements, and other circumstances. The merger agreement prohibits Veeco from authorizing or paying dividends or making distributions on its capital stock, so Veeco does not expect to pay dividends for as long as the merger agreement is in effect.

Ultratech's Dividend Policy. Ultratech has never declared or paid any cash dividends on its common stock. The merger agreement prohibits Ultratech from authorizing or paying dividends or making distributions on its capital stock, so Ultratech does not expect to pay dividends for as long as the merger agreement is in effect.

Risk Factors

(see page 38)

Before voting at the special meeting, you should carefully consider all of the information contained in or incorporated by reference into this proxy statement/prospectus, as well as the specific factors included under the section entitled "Risk Factors" beginning on page 38 of this proxy statement/prospectus before deciding whether to vote for approval of the Merger Proposal.

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The Ultratech Special Meeting

(see page 47)

Time, Place and Purpose of the Special Meeting (see page 47)

The special meeting of Ultratech stockholders will be held on May 25, 2017 at 2:00 p.m., local time, at the offices of O'Melveny & Myers LLP, located at 2765 Sand Hill Road, Menlo Park, California 94025.

At the special meeting, holders of Ultratech common stock as of the record date will be asked to consider and approve the following proposals:

- 1. The Merger Proposal
- 2. The Compensation Proposal
- 3. The Adjournment Proposal

Record Date and Quorum (see page 47)

Only Ultratech stockholders of record as of the record date are entitled to notice of and to vote at the special meeting. As of the close of business on the record date, 27,242,013 shares of Ultratech common stock were issued and outstanding and there were 166 holders of record of the common stock. Each Ultratech stockholder is entitled to one vote for each share of Ultratech common stock held by such stockholder as of the record date.

Holders of a majority of the outstanding shares of Ultratech common stock entitled to vote as of the record date must be present in person or represented by proxy at the special meeting in order to have the required quorum for transacting business. Abstentions are counted as present for purposes of determining the presence or absence of a quorum for the transaction of business.

Required Vote (see page 48)

The affirmative vote, in person or by proxy, of holders of a majority of the outstanding shares of Ultratech common stock entitled to vote as of the record date is required to approve the Merger Proposal. The affirmative vote, in person or by proxy, of the holders of a majority of the shares of Ultratech common stock present in person or represented by proxy at the special meeting and entitled to vote on the matter is required to approve each of the Compensation Proposal and the Adjournment Proposal.

If you abstain from voting, fail to vote at the special meeting, or fail to instruct your broker, bank or other nominee how to vote on the Merger Proposal, it will have the same effect as a vote cast against the Merger Proposal.

If you abstain from voting or attend the special meeting and fail to vote, it will have the same effect as a vote cast against the Compensation Proposal and the Adjournment Proposal. If you do not attend the special meeting or fail to instruct your broker, bank or other nominee how to vote on the Compensation Proposal and the Adjournment Proposal, it will have no effect on the outcome of the vote on the Compensation Proposal and the Adjournment Proposal, assuming a quorum is present.

Voting of Shares (see page 49)

In addition to voting in person at the special meeting, if your shares of Ultratech common stock are held in your name by Ultratech's transfer agent as a stockholder of record, you, as an Ultratech stockholder, may submit a proxy as follows:

By Internet. The web address and instructions for Internet proxy submission can be found on the enclosed proxy card. If you choose to submit your proxy by Internet, then you do not need to

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return the proxy card. To be valid, your Internet proxy must be received by 11:59 p.m. (U.S. Eastern Time) on the day preceding the special meeting.

By Telephone. The toll-free number for telephone proxy submission can be found on the enclosed proxy card. If you choose to submit your proxy by telephone, then you do not need to return the proxy card. To be valid, your telephone proxy must be received by 11:59 p.m. (U.S. Eastern Time) on the day preceding the special meeting.

By Mail. Mark the enclosed proxy card, sign and date it, and return it in the pre-addressed postage-paid envelope provided with the enclosed proxy card, all in accordance with the instructions on the enclosed proxy card. To be valid, your proxy by mail must be received prior to the special meeting.

Beneficial Owner. If your shares of Ultratech common stock are held in "street name" by a broker, bank or other nominee, you have the right to direct your broker, bank or other nominee on how to vote your shares of Ultratech common stock. Your broker, bank or other nominee, as applicable, may establish an earlier deadline by which you must provide instructions to it for how to vote your shares of Ultratech common stock. You should read carefully the materials provided to you by your broker, bank or other nominee. Because a beneficial owner is not the stockholder of record, you may not vote these shares of Ultratech common stock at the special meeting unless you obtain a "legal proxy" from the broker, bank or other nominee that holds your shares of Ultratech common stock giving you the right to vote such shares of Ultratech common stock at the special meeting.

If you satisfy the admission requirements to the special meeting, as described above under the heading "General Questions and Answers about the Special Meeting", you may vote your shares in person at the meeting. Even if you plan to attend the special meeting, we encourage you to vote in advance by Internet, telephone or mail so that your vote will be counted in the event you later decide not to attend the special meeting. Shares held through a benefit or compensation plan cannot be voted in person at the special meeting.

Revocation of Proxies (see page 50)

If you are a stockholder of record as of the record date, you may change your vote:

by delivering to Ultratech (Attention: Corporate Secretary, 3050 Zanker Road, San Jose, California 95134), prior to your shares being voted at the special meeting, a later dated written notice of revocation or a later dated duly executed proxy card, or

by attending the special meeting and voting in person (although attendance at the special meeting will not, by itself, revoke a proxy).

A stockholder of record who has voted on the Internet or by telephone may also change his or her vote by subsequently making a timely and valid Internet or telephone vote.

If you are a beneficial owner of shares held in "street name" by a broker, bank or other nominee, you may revoke your proxy and vote your shares in person at the special meeting only in accordance with applicable rules and procedures as employed by such broker, bank or other nominee. If your shares are held in an account at a broker, bank or other nominee, you should contact your broker, bank or other nominee to change your vote.

The Merger

Effects of the Merger (see page 56)

Subject to the terms and conditions of the merger agreement, Merger Subsidiary will be merged with and into Ultratech, and Ultratech will continue as the surviving corporation in the merger and a wholly owned subsidiary of Veeco. From and after the effective time, the certificate of incorporation

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and bylaws of Ultratech as the surviving corporation in the merger, unless otherwise directed by Veeco prior to the effective time, will be the certificate of incorporation and bylaws of Merger Subsidiary as in effect immediately prior to the effective time.

Recommendation of the Ultratech Board; Ultratech's Reasons for the Merger (see page 70)

The Ultratech board unanimously recommends that Ultratech stockholders vote "FOR" the Merger Proposal, "FOR" the Compensation Proposal, and "FOR" the Adjournment Proposal. For more information regarding the factors considered by the Ultratech board in reaching its decision to approve the merger agreement, the merger and the other transactions contemplated by the merger agreement, see the section entitled "The Merger Recommendation of the Ultratech Board; Ultratech's Reasons for the Merger" beginning on page 70 of this proxy statement/prospectus.

Opinion of Ultratech's Financial Advisor (see page 75)

In connection with the merger, Merrill Lynch, Pierce, Fenner & Smith Incorporated ("BofA Merrill Lynch"), Ultratech's financial advisor, delivered to Ultratech's board of directors a written opinion, dated February 1, 2017, as to the fairness, from a financial point of view and as of the date of the opinion, of the merger consideration to be received in the merger by holders of Ultratech common stock (other than Veeco, Merger Subsidiary and holders of dissenting shares). The full text of the written opinion, dated February 1, 2017, of BofA Merrill Lynch, which describes, among other things, the assumptions made, procedures followed, factors considered and limitations on the review undertaken, is attached as Annex B to this document and is incorporated by reference herein in its entirety. BofA Merrill Lynch provided its opinion to Ultratech's board of directors (in its capacity as such) for the benefit and use of Ultratech's board of directors in connection with and for purposes of its evaluation of the merger consideration from a financial point of view. BofA Merrill Lynch's opinion does not address any other aspect of the merger and no opinion or view was expressed as to the relative merits of the merger in comparison to other strategies or transactions that might be available to Ultratech or in which Ultratech might engage or as to the underlying business decision of Ultratech to proceed with or effect the merger. BofA Merrill Lynch's opinion does not address any other aspect of the merger and does not constitute an opinion or recommendation to any stockholder as to how to vote or act in connection with the merger or any related matter.

Interests of Ultratech's Directors and Executive Officers in the Merger (see page 88)

In considering the recommendation of the Ultratech board that the stockholders vote to approve the Merger Proposal, you should be aware that some of Ultratech's directors and executive officers may have interests in the merger that may be different from, or in addition to, the interests of the stockholders generally. Interests of the directors and executive officers may be different from or in addition to the interests of our other stockholders for the following reasons, among others:

At or immediately prior to the effective time of the merger, each outstanding Ultratech Option will vest and be canceled and converted into the right to receive a cash payment equal to the product of (i) the number of shares of Ultratech common stock underlying the Ultratech Option and (ii) the excess, if any, of (A) the Equity Award Merger Consideration over (B) the exercise price per share subject to such canceled Ultratech Option. We estimate that the aggregate amount that would be payable to Ultratech's executive officers as a group for their Ultratech Options, assuming that the merger was completed on June 1, 2017 with a price per share of Ultratech common stock of \$29.07, is approximately \$4,921,856. Ultratech's non-employee directors hold no outstanding Ultratech Options. The assumed value of a share of Ultratech common stock of \$29.07 is the sum of the fixed cash consideration of \$21.75 plus an assumed value of \$7.32 for the stock consideration (using 0.2675 of the closing stock price of Veeco common stock on Nasdaq on February 28, 2017 of \$27.35 per share).

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As of immediately prior to the effective time of the merger, each outstanding Ultratech Vested RSU will be canceled in exchange for the right to receive a cash payment equal to the product of (i) the number of shares of Ultratech common stock subject to such Ultratech Vested RSU and (ii) the Equity Award Merger Consideration. We estimate that the aggregate amount that would be payable to Ultratech's executive officers as a group and Ultratech's non-employee directors as a group for their Ultratech Vested RSUs, assuming that the merger was completed on June 1, 2017 with a price per share of Ultratech common stock of \$29.07, is approximately \$2,834,906 and \$654,075, respectively.

At the effective time of the merger, each outstanding Ultratech Unvested RSU will be assumed by Veeco and converted into a number of Converted RSUs, rounded down to the nearest whole number, equal to the product of (i) the number of shares subject to the Ultratech Unvested RSU and (ii) the Equity Conversion Ratio. We estimate that the aggregate number of Converted RSUs deliverable to Ultratech's executive officers as a group for their Ultratech Unvested RSUs, assuming that the merger was completed on June 1, 2017 with a price per share of Ultratech common stock of \$29.07 and a price per share of Veeco common stock of \$27.35, is approximately 205,350. This represents approximately 0.5% of Veeco's current outstanding shares of common stock. Ultratech's non-employee directors hold no outstanding Ultratech Unvested RSUs.

Each of Ultratech's executive officers is party to either an employment agreement or change in control severance agreement that provides for severance benefits in the event of certain qualifying terminations of employment. We estimate that the aggregate amount that would be payable to Ultratech's executive officers as a group under their respective employment agreements and change in control severance agreements, assuming that the merger was completed on June 1, 2017 and their employment was terminated on that date in circumstances entitling them to severance benefits under their arrangements, is approximately \$14,405,043 (not including the value of equity awards that accelerate at or immediately prior to the merger, which is disclosed above). These amounts are determined using the assumptions set forth in footnotes (1) and (3) of the table under the section entitled "Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of this proxy statement/prospectus.

Ultratech's directors and executive officers are entitled to continued indemnification, expense advancement and insurance coverage under the merger agreement.

These interests are discussed in more detail in the section entitled "The Merger Interests of Ultratech's Directors and Executive Officers in the Merger" beginning on page 88 of this proxy statement/prospectus. The members of the Ultratech Board were aware of the different or additional interests described in such section and considered these interests, among other matters, in evaluating and negotiating the merger agreement and the merger, and in recommending to the stockholders that the Merger Proposal be approved.

Share Ownership and Voting by Ultratech Directors and Executive Officers (see page 49)

As of the record date, the directors and executive officers of Ultratech held and are entitled to vote, in the aggregate, approximately 3.4% of the aggregate voting power of the outstanding shares of Ultratech's common stock. All shares held by Ultratech's directors and executive officers are subject to the Support Agreement (as defined in the section entitled "The Support Agreement" beginning on page 125 of this proxy statement/prospectus). For more information on the Support Agreement, see the section entitled "The Support Agreement" beginning on page 125 of this proxy statement/prospectus.

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Listing of Shares of Veeco Common Stock; Delisting and Deregistration of Ultratech Common Stock (see page 95)

Veeco is obligated to cause the shares of Veeco common stock to be issued to Ultratech stockholders pursuant to the merger to be authorized for listing on Nasdaq at the effective time, subject to official notice of issuance. Upon completion of the merger, shares of Ultratech common stock will cease to be listed on Nasdaq and will subsequently be deregistered under the Exchange Act.

See the sections entitled "The Merger Listing of Shares of Veeco Common Stock" beginning on page 94 of this proxy statement/prospectus and "The Merger Delisting and Deregistration of Ultratech Common Stock" beginning on page 95 of this proxy statement/prospectus for a further discussion of the listing of shares of Veeco common stock and de-listing of Ultratech common stock in connection with the merger.

The Merger Agreement

(see page 100)

The merger agreement is attached as **Annex A** to this proxy statement/prospectus. Veeco and Ultratech encourage you to read the entire merger agreement carefully because it is the principal document governing the merger and the issuance of shares of Veeco common stock. Pursuant to the merger agreement, Merger Subsidiary will merge with and into Ultratech, with Ultratech surviving the merger as a wholly owned subsidiary of Veeco.

Merger Consideration (see page 100)

Subject to the terms and conditions of the merger agreement, at the effective time, each share of Ultratech common stock that is issued and outstanding immediately prior to the effective time (other than (i) shares of Ultratech common stock owned by Vecco or Merger Subsidiary and shares of treasury stock held by Ultratech, which will be canceled without consideration, (ii) shares of Ultratech stock held by any subsidiary of either Ultratech or Vecco, which will be converted into such number of shares of common stock of the surviving corporation such that each subsidiary owns the same percentage of the surviving corporation immediately following the effective time as such subsidiary owned of Ultratech immediately prior to the effective time (such shares, together with the shares described in clause (i) are referred to as "excluded shares") and (iii) shares held by holders of Ultratech common stock, if any, who properly exercise their appraisal rights under the DGCL (which we refer to as "dissenting shares")) will be automatically cancelled and converted into the right to receive an amount equal to (1) \$21.75 in cash without interest (which we refer to as the "cash consideration"), (2) 0.2675 of a share of Vecco, par value \$0.01 per share (which we refer to as the "stock consideration", and together with the cash consideration, the "merger consideration") and (3) cash in lieu of fractional shares of Vecco common stock as contemplated by the merger agreement. See the section entitled "The Merger Agreement Merger Consideration" beginning on page 100 of this proxy/statement prospectus for more information.

Based on the number of shares of Ultratech common stock outstanding as of April 17, 2017, and the number of shares of Veeco common stock outstanding as of April 17, 2017, it is expected that, immediately after completion of the merger, former Ultratech stockholders will own approximately 15% of the outstanding shares of Veeco common stock.

Treatment of Ultratech Options and Other Equity-Based Awards (see page 101)

Stock Options. At or immediately prior to the effective time of the merger, each outstanding Ultratech Option will vest and be canceled and converted into the right to receive an amount in cash equal to the product of (i) the number of shares of Ultratech common stock subject to such Ultratech Option immediately prior to the effective time and (ii) the excess, if any, of (A) the Equity Award Merger Consideration over (B) the exercise price per share subject to such canceled Ultratech Option.

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Ultratech Options that have an exercise price per share that is greater than the Equity Award Merger Consideration will be canceled in exchange for no consideration. Veeco will cause the surviving corporation to pay the cash payment described above to the holder of the applicable Ultratech Option at or reasonably promptly after the effective time of the merger (but in no event later than three business days after the effective time). As used herein, "Equity Award Merger Consideration" means the sum of (i) the cash consideration and (ii) the amount obtained by multiplying the stock consideration by the volume weighted average trading price of Veeco's common stock for the five consecutive trading days ending on the trading day immediately preceding the closing date (the "Parent Measurement Price").

Vested Restricted Stock Units. At or immediately prior to the effective time of the merger, each outstanding Ultratech Vested RSU will be canceled and converted into the right to receive an amount in cash equal to the product of (i) the number of shares of Ultratech common stock subject to such Ultratech Vested RSU immediately prior to the effective time and (ii) the Equity Award Merger Consideration. Veeco will cause the surviving corporation to pay the cash payment described above to the holder of the applicable Ultratech Vested RSU at or reasonably promptly after the effective time of the merger (but in no event later than three business days after the effective time).

Unvested Restricted Stock Units. At the effective time of the merger, each outstanding Ultratech Unvested RSU will be assumed by Veeco and converted into a number of Converted RSUs, rounded down to the nearest whole number, equal to the product of (i) the number of shares subject to the Ultratech Unvested RSU and (ii) the Equity Conversion Ratio. Any Converted RSUs so issued will be subject to the same terms and conditions as were applicable under the Ultratech Unvested RSUs; provided, that all references to "Company" in Ultratech's equity incentive plan and award agreements will be references to Veeco. As used herein, "Equity Conversion Ratio" means the quotient obtained by dividing (i) the Equity Award Merger Consideration (as defined above) by (ii) the Parent Measurement Price.

See the section entitled "The Merger Agreement Treatment of Ultratech Options and Other Equity-Based Awards" beginning on page 101 of this proxy statement.

Effect of the Merger; Effective Time (see page 102)

Veeco and Ultratech expect the closing to occur during the second quarter of calendar year 2017. However, the merger is subject to various regulatory approvals and the satisfaction or waiver of other conditions, and it is possible that factors outside the control of Veeco and Ultratech could result in the merger being completed at an earlier time, a later time or not at all. In the merger agreement, Veeco and Ultratech have agreed that the date on which the closing occurs shall be no later than the first business day following the satisfaction or waiver of the last of the conditions to closing (other than those conditions that by their nature are to be satisfied at closing, but subject to the satisfaction or, to the extent permissible, waiver of those conditions), or at such other date and time as Veeco and Ultratech may mutually agree consistent with Delaware law.

Organizational Documents of the Surviving Corporation (see page 102)

Unless otherwise determined by Veeco prior to the effective time, at the effective time, (1) the certificate of incorporation of Merger Subsidiary immediately prior to the effective time will be the certificate of incorporation of the surviving corporation from and after the effective time and (2) the bylaws of Merger Subsidiary immediately prior to the effective time will be the bylaws of the surviving corporation from and after the effective time.

Appraisal Rights (see page 103)

Record holders of Ultratech common stock who do not vote in favor of the Merger Proposal and who otherwise comply with the requirements and procedures of Section 262 of the DGCL are entitled

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to exercise appraisal rights, which generally entitle stockholders to receive in lieu of the merger consideration a cash payment of an amount determined by the Court of Chancery equal to the fair value of their Ultratech common stock. However, notwithstanding a stockholder's compliance with the DGCL in perfecting appraisal rights, Section 262(g) of the DGCL provides that, because immediately prior to the effective time of the merger Ultratech common stock will be listed on a national securities exchange, the Court of Chancery will dismiss the proceedings as to all holders of Ultratech common stock who are otherwise entitled to appraisal rights unless (1) the total number of shares entitled to appraisal exceeds 1% of the outstanding shares of the class or series eligible for appraisal or (2) the value of the consideration provided in the merger for such total number of shares exceeds \$1 million. A summary description of the appraisal rights available to holders of Ultratech common stock under the DGCL and the procedures required to exercise statutory appraisal rights are included under the section entitled "The Merger Appraisal Rights" beginning on page 103 of this proxy statement/prospectus. The full text of Section 262 of the DGCL is attached as Annex C to this proxy statement/prospectus. Due to the complexity of the procedures described above, Ultratech stockholders who are considering exercising such rights are encouraged to seek the advice of legal counsel.

Conduct of Businesses of Ultratech and Veeco Prior to Completion of the Merger (see page 108)

Ultratech has agreed, subject to certain exceptions set forth in the merger agreement, on behalf of itself and its subsidiaries that it will conduct its business in the ordinary course of business prior to the effective time or earlier termination of the merger agreement, and has agreed to certain restrictions on its ability to take certain actions prior to the effective time or earlier termination of the merger agreement. Veeco has also agreed, subject to certain exceptions set forth in the merger agreement, on behalf of itself and its subsidiaries that it will conduct its business in the ordinary course of business prior to the effective time or earlier termination of the merger agreement, and has agreed to certain restrictions on its ability to take certain actions prior to the effective time or earlier termination of the merger agreement. See the section entitled "The Merger Agreement Conduct of Businesses of Ultratech and Veeco Prior to Completion of the Merger" beginning on page 108 of this proxy statement/prospectus for more information.

Ultratech's Agreement Not to Solicit Other Offers (see page 111)

Subject to certain exceptions, the merger agreement provides that Ultratech will not, and will cause each of its subsidiaries and its and their respective officers, directors, employees, and investment bankers, attorneys, accountants or other advisors retained by Ultratech or its subsidiaries (collectively referred to as "Ultratech representatives") not to, directly or indirectly:

solicit, initiate or knowingly facilitate or encourage the submission of any acquisition proposal;

enter into or participate in any discussions or negotiations with, or furnish any non-public information or access relating to Ultratech or any of its subsidiaries to, any person with respect to an acquisition proposal or any inquiry or proposal that could reasonably be expected to lead to an acquisition proposal; or

enter into any agreement in principle, letter of intent, memorandum of understanding, merger agreement, acquisition agreement or other similar agreement relating to an acquisition proposal.

Subject to certain exceptions, the merger agreement provides that the Ultratech board may not fail to make, and may not withdraw, withhold, qualify or modify or resolve to or publicly propose to withdraw, withhold, qualify or modify in a manner adverse to Veeco, the recommendation of the Ultratech board with respect to the merger agreement or approve, endorse, or recommend or publicly propose to approve, endorse or recommend, an acquisition proposal.

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Ultratech has agreed to (1) immediately cease any discussions or negotiations with any person with respect to any acquisition proposal, (2) promptly terminate access of any third party to any electronic data room maintained by Ultratech and (3) request that any such third party promptly return or destroy all confidential information concerning Ultratech to the extent permitted pursuant to any confidentiality agreement entered into with such third party.

Prior to adoption of the merger agreement by Ultratech's stockholders (and subject to certain notice requirements to Veeco), however, Ultratech may or any of the Ultratech representatives may, upon the terms and subject to the conditions set forth in the merger agreement, provide non-public information and access relating to Ultratech and its subsidiaries pursuant to an acceptable confidentiality agreement to, and engage in discussions or negotiations with, a third party if such third party has made an unsolicited written bona fide acquisition proposal that did not result from any breach of the restrictions on Ultratech set forth above, and the Ultratech board determines in good faith, after consultation with its financial advisor and outside legal counsel, that such acquisition proposal would reasonably be expected to result in a superior proposal.

See the section entitled "The Merger Agreement" Ultratech's Agreement Not to Solicit Other Offers" beginning on page 111 of this proxy statement/prospectus for more information.

Ultratech's Agreement Not to Change the Ultratech Board Recommendation (see page 113)

Prior to adoption of the merger agreement by Ultratech's stockholders, if the Ultratech board determines in good faith, after consultation with its outside legal counsel and in response to an unsolicited, written bona fide acquisition proposal that did not result from a breach of the restrictions on Ultratech set forth above, that such acquisition proposal is a superior proposal and the failure to take such action would be reasonably likely to result in a breach of its fiduciary duties under applicable law, the Ultratech board may make an adverse recommendation change or cause Ultratech to terminate the merger agreement in order to accept the superior proposal substantially concurrently with such termination, subject to complying with certain notice and other specified conditions set forth in the merger agreement, including giving Veeco the opportunity to make adjustments to the terms of the merger agreement in response to the superior proposal so that such proposal no longer constitutes a superior proposal. If the Ultratech board changes its recommendation with respect to the merger agreement, Veeco may terminate the merger agreement and collect a termination fee of \$26.5 million.

Prior to adoption of the merger agreement by Ultratech's stockholders, if Ultratech and the Ultratech representatives are in material compliance with the obligations described above and if the Ultratech board determines in good faith, after consultation with its outside legal counsel and taking into account any discussions with Veeco required pursuant to the merger agreement, that the failure to take such action would be reasonably likely to result in a breach of its fiduciary duties under applicable law, the Ultratech board may make an adverse recommendation change in response to any fact, event, change, development or set of circumstances that materially affects the business, financial condition or results of operations of Ultratech or its subsidiaries, taken as a whole, that does not involve or relate to an acquisition proposal, Veeco or any of its affiliates or their respective representatives and was not known and was not reasonably discoverable or foreseeable by the Ultratech board or the consequences of which were not reasonably discoverable or foreseeable to the Ultratech board, in each case, as of the date of the merger agreement, subject to complying with certain notice and other specified conditions set forth in the merger agreement, including giving Veeco the opportunity to make adjustments to the terms of the merger agreement. Additionally, any determination by the Ultratech board following the date of the merger agreement that the merger consideration payable in the merger is not sufficient will not in and of itself constitute grounds to make a change of recommendation pursuant to this paragraph. In addition, a change in the trading price of Veeco common stock or Ultratech common stock will not in and of itself constitute grounds to make a change of recommendation pursuant to this

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paragraph (though the underlying facts giving rise or contributing to the change in the trading price of Ultratech common stock may be taken into account).

See the section entitled "The Merger Agreement Ultratech's Agreement Not to Change the Ultratech Board Recommendation" beginning on page 113 of this proxy statement/prospectus for more information.

Regulatory Filings (see page 115)

Veeco and Ultratech have each agreed to take certain actions in order to obtain regulatory clearances required to consummate the merger (provided, that neither Veeco, Ultratech nor any of their respective subsidiaries will be required to take any action that constitutes a "Detriment" (as defined in the Merger Agreement)). The merger is subject to the HSR Act. Under this statute, Veeco and Ultratech are required to make pre-merger notification filings and await the expiration or early termination of the statutory waiting period prior to completing the merger. Veeco and Ultratech completed the initial HSR Act filings on February 9, 2017. On February 17, 2017, Veeco and Ultratech received notice from the U.S. Federal Trade Commission that it had granted early termination, effective immediately, of the applicable waiting period under the HSR Act with respect to the merger. See the section entitled "The Merger Agreement Reasonable Best Efforts to Consummate the Merger; Regulatory Filings" beginning on page 115 of this proxy statement/prospectus for more information.

Financing (see page 119)

In the merger agreement, Veeco and Merger Subsidiary have represented and warranted to Ultratech that (assuming the accuracy of Ultratech's representations related to available cash of Ultratech in the United States at closing) they have available, and will have available at or promptly after the effective time, cash or other sources of immediately available funds in an amount, together with the available cash of Ultratech in the United States at closing, sufficient to enable Veeco to satisfy all of Veeco's and Merger Subsidiary's obligations under the merger agreement. Also in the merger agreement, Ultratech has represented and warranted to Veeco and Merger Subsidiary that it and its subsidiaries will have, on a consolidated basis, at least \$180,000,000 of available cash held in the United States at closing. The closing is not subject to a financing condition. See the section entitled "The Merger Agreement Financing" beginning on page 119 of this proxy statement/prospectus for more information.

Conditions to Closing (see page 119)

The obligations of Ultratech, Veeco and Merger Subsidiary to effect the merger are subject to the satisfaction or waiver (to the extent permitted by applicable law and other than the first condition below with respect to stockholder approval and adoption of the merger agreement which may not be waived by any party) at or prior to the effective time of each of the following conditions:

adoption of the merger agreement the affirmative vote of the holders of at least a majority of the outstanding shares of Ultratech common stock entitled to vote at the special meeting;

the absence of any temporary restraining order, preliminary or permanent injunction or other judgment that has been issued by any court of competent jurisdiction is pending or in effect that enjoins or otherwise prohibits the consummation of the merger;

the receipt of all required approvals and the expiration or termination of any applicable waiting period (or extensions thereof) applicable to the merger under the HSR Act;

the Form S-4 having become effective under the Securities Act and the Form S-4 not being the subject of any stop order suspending the effectiveness of the Form S-4 issued by the SEC or proceedings initiated by the SEC in connection with any stop order; and

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the shares of Veeco common stock issuable in connection with the merger having been authorized for listing on Nasdaq, subject to official notice of issuance.

The obligations of Veeco and Merger Subsidiary to effect the merger are subject to the satisfaction or (to the extent permitted by applicable law) waiver at or prior to the effective time of the following further conditions:

the performance by Ultratech in all material respects of its obligations under the merger agreement required to be performed at or prior to the effective time;

the representations and warranties of Ultratech (other than certain representations with respect to corporate existence and power, corporate authorization, capitalization, finders' fees, available cash, and antitakeover statutes) contained in the merger agreement are true and correct in all respects (without giving effect to any limitation indicated by the words or phrases "Company Material Adverse Effect," "in all material respects," "material," or "materially" in such representations or warranties) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date), except where the failure of such representations and warranties to be so true and correct would not reasonably be expected to have, individually or in the aggregate, a "Company Material Adverse Effect", (ii) certain representations and warranties of Ultratech contained in the merger agreement with respect to capitalization are true and correct (other than de minimis inaccuracies) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date), (iii) the representations and warranties of Ultratech contained in the merger agreement with respect to corporate existence and power, corporate authorization, finders' fees and antitakeover statutes are true and correct in all material respects as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date) and (iv) the representations and warranties of Ultratech contained in the merger agreement with respect to available cash are true and correct in all respects as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time;

since February 2, 2017, a "Company Material Adverse Effect" (as defined in the merger agreement and described under "Material Adverse Effect") shall not have occurred; and

the delivery by Ultratech to Veeco of a certificate, dated as of the date on which the closing takes place and signed by the chief executive officer or another senior officer of Ultratech, certifying that the conditions set forth in the above bullets have been satisfied.

The obligation of Ultratech to effect the merger is further subject to the satisfaction or (to the extent permitted by applicable law) waiver at or prior to the effective time of the following further conditions:

the performance by each of Veeco and Merger Subsidiary in all material respects of its obligations under the merger agreement required to be performed at or prior to the effective time;

the representations and warranties of Veeco and Merger Subsidiary (other than certain representations with respect to corporate existence and power, corporate authorization, capitalization, financing, certain arrangements and finders' fees) contained in the merger agreement are true and correct in all respects (without giving effect to any limitation indicated by the words or phrases "Parent Material Adverse Effect," "in all material respects," "material,"

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or "materially" in such representations or warranties) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date), except where the failure of such representations and warranties to be so true and correct would not reasonably be expected to have, individually or in the aggregate, a "Parent Material Adverse Effect", (ii) certain representations and warranties of Veeco and Merger Subsidiary contained in the merger agreement with respect to capitalization are true and correct (other than de minimis inaccuracies) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date) and (iii) the representations and warranties of Veeco and Merger Subsidiary contained in the merger agreement with respect to corporate existence and power, corporate authorization, financing, certain arrangements and finders' fees are true and correct in all material respects as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date);

since February 2, 2017, a "Parent Material Adverse Effect" (as defined in the Merger Agreement and described under "Material Adverse Effect") shall not have occurred; and

the delivery by Veeco to Ultratech of a certificate, dated as of the date on which the closing takes place and signed by the chief executive officer or another senior officer of Veeco, certifying that the conditions set forth in the above bullets have been satisfied.

See the section entitled "The Merger Agreement Conditions to Closing" beginning on page 119 of this proxy statements/prospectus for more information.

Termination of the Merger Agreement (see page 121)

The merger agreement may be terminated:

- 1. At any time prior to the effective time by the mutual written agreement of the Ultratech and Veeco;
- 2. At any time prior to the effective time, by either Veeco or Ultratech (upon written notice to the other party) if:

the merger has not been consummated on or before the date that is 270 days after the date of the merger agreement (such date, as it may be extended pursuant to the merger agreement, the "end date"); provided that this termination right will not be available to any party whose breach of any provision of the merger agreement has been the primary cause of, or primarily resulted in, the failure of the merger to be consummated on by the end date;

any restraint issued by any court of competent jurisdiction shall be in effect that permanently enjoins or otherwise permanently prohibits the consummation of the merger, and such restraint has become final and non-appealable; provided that the right to terminate the merger agreement pursuant to this termination right will not be available to any party unless such party is in material compliance with its obligations described in the section entitled "The Merger Agreement Reasonable Best Efforts to Consummate the Merger" beginning on page 115 of this proxy statement/prospectus; or

if the special meeting (including any adjournment or postponement thereof) has concluded and the approval of the merger agreement by Ultratech's stockholders has not been

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obtained; provided that this termination right will not be available to Ultratech if the failure to obtain the approval of Ultratech's stockholders was due to Ultratech's failure to perform any of its obligations under the merger agreement or a breach of the Support Agreement described in the section entitled "The Support Agreement" beginning on page 125 of this proxy statement/prospectus by any party thereto other than Veeco.

3.

By Veeco (upon written notice to Ultratech) if:

prior to obtaining the Ultratech stockholder approval, the Ultratech board has failed to make its recommendation in favor of the merger in the preliminary version of this proxy statement/prospectus, failed to include its recommendation of the merger in this proxy statement/prospectus at all times after the filing of the preliminary proxy statement/prospectus, failed to publicly reaffirm its recommendation in favor of the merger in accordance with the merger agreement or effected a change of its recommendation in favor of the merger, whether or not permitted by the terms of the merger agreement; or

Ultratech has breached or failed to perform any of its representations, warranties, covenants or other agreements under the merger agreement, which breach or failure would result in a failure of certain of the conditions to the consummation of the merger and such breach cannot be cured, or if capable of cure, has not been cured, by the date that is two business days before the end date; provided that this termination right will not be available to Veeco if Veeco's breach of any provision of the merger agreement would cause certain of the conditions to the merger set forth in the merger agreement not to be satisfied.

4.

By Ultratech (upon written notice to Veeco) if:

prior to receipt of the Ultratech stockholder approval if, concurrently with such termination, Ultratech (i) enters into an alternative acquisition agreement that constitutes a superior proposal in accordance with the terms of the merger agreement and (ii) pays to Veeco a termination fee of \$26.5 million; or

Veeco has breached or failed to perform any of its representations, warranties, covenants or other agreements under the merger agreement, which breach or failure would result in a failure of certain of the conditions to the consummation of the merger and such breach cannot be cured, or if capable of cure, has not been cured, by the date that is two business days before the end date; provided that this termination right will not be available to Ultratech if Ultratech's breach of any provision of the merger agreement would cause certain of the conditions to the merger set forth in the merger agreement not to be satisfied.

See the section entitled "The Merger Agreement Termination of the Merger Agreement" beginning on page 121 of this proxy statement/prospectus for more information.

Termination Fee Payable by Ultratech (see page 123)

Ultratech will be required to pay Veeco a termination fee of \$26.5 million in cash in the following circumstances:

in the event the merger agreement is terminated by Veeco prior to obtaining the Ultratech stockholder approval because the Ultratech board has failed to make its recommendation in favor of the merger in the preliminary version of this proxy statement/prospectus, failed to include its recommendation of the merger in this proxy statement/prospectus at all times after the filing of the preliminary proxy statement/prospectus, failed to publicly reaffirm its recommendation in favor of the merger in accordance with the merger agreement or effected a

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change of its recommendation in favor of the merger, whether or not permitted by the terms of the merger agreement;

in the event the merger agreement is terminated by Ultratech prior to receipt of the Ultratech stockholder approval in order for Ultratech to enter into an alternative acquisition agreement that constitutes a superior proposal; or

if after the date of the merger agreement, any "qualifying transaction" (which is an acquisition proposal, measured at a 50% threshold rather than a 20% threshold) is publicly made or announced and not withdrawn on or prior to the date that is five business days before the date of the special meeting, thereafter (a) Ultratech or Veeco terminates the merger agreement because the Ultratech stockholder approval has not been obtained, (b) Veeco terminates the merger agreement because the merger has not been consummated on or before the end date or (c) Veeco terminates the merger agreement because Ultratech has breached or failed to perform any of its representations, warranties, covenants or other agreements under the merger agreement, Ultratech consummates a transaction regarding, or executes a definitive agreement with respect to, an qualifying transaction (whether or not it is the same qualifying transaction originally made or publicly announced prior to the special meeting).

In no event will Ultratech be obligated to pay such \$26.5 million termination fee on more than one occasion.

See the section entitled "The Merger Agreement Termination Fee Payable by Ultratech" beginning on page 123 of this proxy statement/prospectus for more information.

The Support Agreement

(see page 125)

Pursuant to a Support Agreement, dated as of February 2, 2017 (the "Support Agreement") among Veeco and the members of the Ultratech board and Ultratech's executive officers (the "supporting stockholders"), during the period commencing on the date of the Support Agreement and continuing until the first to occur of (i) the effective time, (ii) the date and time of termination of the merger agreement, and (iii) the date and time, if any, at which the Ultratech board makes a change in recommendation, each supporting stockholder has agreed, among other things, to (A) appear at the special meeting (or any other meeting of Ultratech's stockholders called in connection with the merger agreement) or cause such supporting stockholder's shares of Ultratech common stock, including any shares acquired by such supporting stockholder after the date of the Support Agreement (collectively, the "subject shares"), to be counted as present at such meeting for purposes of establishing a quorum and (B) to vote (or cause to be voted) the subject shares (1) in favor of granting the Ultratech stockholder approval, approving the merger, adopting the merger agreement, and approving any other transaction document, any other transaction pursuant to or contemplated by the merger agreement, and any other matter that could reasonably be expected to facilitate the consummation of the merger and (2) against any acquisition proposal (other than the merger agreement and the merger) and any other matter that would reasonably be expected to impede, interfere with, delay, postpone or adversely affect the consummation of the merger or any of the transactions contemplated by the merger agreement

As of the close of business on April 20, 2017, the supporting stockholders owned in the aggregate 929,838 shares of Ultratech common stock (not including any shares of Ultratech common stock subject to Ultratech stock options or Ultratech RSUs), all of which are subject to the Support Agreement, representing approximately 3.4% of the shares of Ultratech common stock outstanding as of such date.

The Support Agreement will terminate on the earlier of (i) the effective time and (ii) the termination of the merger agreement. Each supporting stockholder has entered into the Support

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Agreement solely in such supporting stockholder's capacity as stockholder of Ultratech and not in any other capacity.

See the section entitled "The Support Agreement" beginning on page 125 of this proxy statement/prospectus for more information.

Material U.S. Federal Income Tax Consequences

(see page 125)

The merger will be a taxable transaction for U.S. federal income tax purposes. Accordingly, a U.S. Holder (as defined in the section entitled "Material U.S. Federal Income Tax Consequences" beginning on page 126 of this proxy statement/prospectus) of shares of Ultratech common stock generally will recognize gain or loss for U.S. federal income tax purposes equal to the difference between (1) the sum of the amount of cash and the fair market value of the shares of Veeco common stock received and (2) the holder's tax basis in the shares of Ultratech common stock exchanged in the merger.

Any such gain or loss generally will be capital gain or loss and generally will be long-term capital gain or loss if the U.S. Holder's holding period in the Ultratech common stock immediately prior to the merger is more than one year. For U.S. Holders that are individuals, estates or trusts, long-term capital gain generally is taxed at preferential U.S. federal rates. The deductibility of capital losses is subject to limitations.

A U.S. Holder will have a tax basis in the shares of Veeco common stock received in the merger equal to the fair market value of such shares. The holding period for shares of Veeco common stock received in exchange for shares of Ultratech common stock in the merger will begin on the date immediately following the closing date.

A Non-U.S. Holder (as defined in the section entitled "Material U.S. Federal Income Tax Consequences" beginning on page 126 of this proxy statement/prospectus) generally will not be subject to U.S. federal income tax with respect to the exchange of shares of Ultratech common stock for cash and shares of Veeco common stock in the merger unless such Non-U.S. Holder has certain connections to the United States.

The U.S. federal income tax consequences described above may not apply to all holders of Ultratech common stock, including certain holders specifically referred to on page 128. Your tax consequences will depend on your own situation. You should consult your tax advisor to determine the particular tax consequences of the merger to you.

Accounting Treatment

(see page 129)

Veeco prepares its financial statements in accordance with accounting principles generally accepted in the United States of America (referred to in this proxy statement/prospectus as GAAP). The merger will be accounted for using the acquisition method of accounting. Veeco will be treated as the acquiror for accounting purposes.

Comparison of Stockholders' Rights

(see page 135)

Ultratech stockholders, whose rights are currently governed by the Amended and Restated Certificate of Incorporation of Ultratech (the "Ultratech Charter") and the Amended and Restated Bylaws of Ultratech (as amended, the "Ultratech Bylaws") will, upon receipt of Veeco common stock in the merger, upon completion of the merger, become stockholders of Veeco and their rights will be governed by the Amended and Restated Certificate of Incorporation of Veeco (the "Veeco Charter") and the Fifth Amended and Restated Bylaws of Veeco (the "Veeco Bylaws"). The differences between the Ultratech governing documents and the Veeco governing documents are described in detail under the section entitled "Comparison of Stockholders' Rights" beginning on page 135 of this proxy statement/prospectus.

THE COMPANIES

Veeco Instruments Inc.

Veeco creates process equipment that enables technologies for a cleaner and more productive world. Veeco designs, develops, manufactures, markets, and supports thin film equipment to meet the demands of key global trends such as improving energy efficiency, enhancing mobility, and increasing connectivity. Veeco's equipment is used to make electronic devices which enable these trends, including light emitting diodes ("LEDs"), micro-electromechanical systems ("MEMS"), wireless devices, power electronics, hard disk drives ("HDDs"), and semiconductor devices. Veeco's products are sold to semiconductor and advanced packaging device manufacturers, and Veeco may also license its technology to its customers or partners.

Veeco develops highly differentiated, "best-in-class" equipment for critical performance steps in thin film processing. Veeco's products provide leading technology at low cost-of-ownership. Core competencies in advanced thin film technologies and decades of specialized process know-how help Veeco stay at the forefront of these rapidly advancing industries.

Veeco's portfolio of technology solutions sell into four key market areas: Lighting, Display & Power Electronics; Advanced Packaging, MEMS & Radio Frequency; Scientific & Industrial; and Data Storage.

Veeco was organized as a Delaware corporation in 1989. Veeco's headquarters are located at 1 Terminal Drive, Plainview, New York 11803, and its telephone number is (516) 677-0200. Veeco has sales and service operations across the Asia-Pacific region, Europe, and North America to address its customers' needs. Veeco's website is www.veeco.com. The information on Veeco's website is not incorporated by reference into this proxy statement/prospectus. See the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

Ultratech, Inc.

Ultratech designs, builds and markets manufacturing systems for the global technology industry. Founded in 1979, Ultratech serves three core markets: frontend semiconductor, backend semiconductor, and nanotechnology. Ultratech is the leading supplier of lithography products for bump packaging of integrated circuits and high-brightness LEDs. Ultratech is also the market leader and pioneer of LSA technology for the production of advanced semiconductor devices. In addition, Ultratech offers solutions leveraging its proprietary CGS technology to the semiconductor wafer inspection market and provides ALD tools to leading research organizations, including academic and industrial institutions.

The principal executive offices of Ultratech are located at 3050 Zanker Road, San Jose, California 95134, and its telephone number is (408) 321-8835. Additional information about Ultratech and its subsidiaries is included in documents incorporated by reference into this proxy statement/prospectus. See the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

Ulysses Acquisition Subsidiary Corp.

Merger Subsidiary is a wholly owned subsidiary of Veeco and is a Delaware corporation. Merger Subsidiary was formed on February 1, 2017, for the sole purpose of effecting the merger. In the merger, Merger Subsidiary will be merged with and into Ultratech, with Ultratech surviving as a wholly owned subsidiary of Veeco. The principal executive offices of Merger Subsidiary are located at 1 Terminal Drive, Plainview, New York 11803, and its telephone number is (516) 677-0200.

SELECTED HISTORICAL CONSOLIDATED FINANCIAL DATA OF VEECO

The following tables present selected historical consolidated financial data of Veeco as of and for the years ended December 31, 2016, 2015, 2014, 2013, and 2012. The consolidated financial statements of Veeco have been presented in accordance with U.S. GAAP.

The selected consolidated financial data as of December 31, 2016 and 2015 and for each of the years in the three-year period ended December 31, 2016 are derived from Veeco's audited consolidated financial statements incorporated by reference into this proxy statement/prospectus. The selected consolidated financial data as of December 31, 2014, 2013 and 2012 and for each of the years in the two-year period ended December 31, 2013 are derived from Veeco's audited consolidated financial statements not included or incorporated by reference herein.

The financial information set forth below is only a summary that should be read in conjunction with the section entitled "Risk Factors" beginning on page 38 of this proxy statement/prospectus and Veeco's consolidated financial statements, including the related notes, as well as the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations" contained in Veeco's Annual Report on Form 10-K for the fiscal year ended December 31, 2016 that Veeco previously filed with the SEC and that is incorporated by reference into this proxy statement/prospectus. Historical results are not necessarily indicative of any results to be expected in the future. See also the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus for the location of information incorporated by reference in this proxy statement/prospectus.

	Year ended December 31,							
		2016	2015	2014	2013	2012		
	(in thousands, except per share data)							
Statement of Operations Data(1):								
Net sales	\$	332,451 \$	477,038 \$	392,873 \$	331,749 \$	516,020		
Operating income (loss)		(120,402)	(23,232)	(79,209)	(71,812)	37,212		
Income (loss) from continuing operations, net of tax		(122,210)	(31,978)	(66,940)	(42,263)	26,529		
Basic income (loss) per common share from continuing								
operations		(3.11)	(0.80)	(1.70)	(1.09)	0.69		
Diluted income (loss) per common share from continuing operations		(3.11)	(0.80)	(1.70)	(1.09)	0.68		

(1) Information presented excludes the results of our discontinued operations.

	December 31,										
		2016		2015	2014			2013		2012	
				(in t	housands)						
Balance Sheet Data:											
Cash and cash equivalents	\$	277,444	\$	269,232	\$	270,811	\$	210,799	\$	384,557	
Short-term investments		66,787		116,050		120,572		281,538		192,234	
Working capital		357,999		379,904		387,254		485,452		632,197	
Total assets		758,532		890,789		929,455		947,969		937,304	
Long-term debt (less current											
installments)		826		1,193		1,533		1,847		2,138	
Total equity		594,595		714,615		738,932		780,230		811,212	
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SELECTED HISTORICAL CONSOLIDATED FINANCIAL DATA OF ULTRATECH

The following tables present selected historical consolidated financial data of Ultratech as of and for the years ended December 31, 2016, 2015, 2014, 2013, and 2012. The consolidated financial statements of Ultratech have been presented in accordance with U.S. GAAP.

The selected consolidated financial data as of December 31, 2016 and 2015 and for each of the years in the three-year period ended December 31, 2016 are derived from Ultratech's audited consolidated financial statements incorporated by reference into this proxy statement/prospectus. The selected consolidated financial data as of December 31, 2014, 2013 and 2012 and for each of the years in the two-year period ended December 31, 2013 are derived from Ultratech's audited consolidated financial statements not included or incorporated by reference herein.

The financial information set forth below is only a summary that should be read in conjunction with the section entitled "Risk Factors" beginning on page 38 of this proxy statement/prospectus and Ultratech's consolidated financial statements, including the related notes, as well as the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations" contained in Ultratech's Annual Report on Form 10-K for the fiscal year ended December 31, 2016 that Ultratech previously filed with the SEC and that is incorporated by reference into this proxy statement/prospectus. Historical results are not necessarily indicative of any results to be expected in the future. See also the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus for the location of information incorporated by reference in this proxy statement/prospectus.

In thousands, except per share data and percentage information	2016 ^(e) 2015 ^(d)		2015 ^(d)	2014 ^(c)			2013 ^(b)		2012 ^(a)	
Statement of Operations Data:										
Net sales	\$	194,051	\$	149,176	\$	150,540	\$	157,272	\$	234,825
Gross profit	\$	88,735	\$	65,432	\$	63,273	\$	67,382	\$	131,810
Gross profit as a percentage of net sales		46%	,	44%)	42%)	43%		56%
Operating income (loss)	\$	8,122	\$	(15,040)	\$	(19,063)	\$	(15,058)	\$	56,398
Income (loss) before income taxes and cumulative effect of a										
change in accounting principle	\$	8,692	\$	(14,678)	\$	(18,867)	\$	(14,916)	\$	56,969
Pre-tax income (loss) as a percentage of net sales		4.5%	,	(9.8)	%	(12.5)	%	(9.5)%	6	24.3%
Provision (benefit) for income taxes	\$	(2,545)	\$	450	\$	244	\$	(1,147)	\$	9,782
Net income (loss)	\$	11,237	\$	(15,128)	\$	(19,111)	\$	(13,769)	\$	47,187
Net income (loss) per share basic	\$	0.42	\$	(0.55)	\$	(0.67)	\$	(0.49)	\$	1.76
Number of shares used in per share computation basic		27,012		27,429		28,437		28,106		26,881
Net income (loss) per share diluted	\$	0.41	\$	(0.55)	\$	(0.67)	\$	(0.49)	\$	1.70
Number of shares used in per share computation diluted		27,333		27,429		28,437		28,106		27,705
Balance Sheet Data:										
Cash, cash equivalents and short-term investments	\$	267,593	\$	251,901	\$	269,730	\$	297,035	\$	302,508
Working capital	\$	342,357	\$	315,424	\$	334,434	\$	349,055	\$	349,506
Total assets	\$	415,572	\$	389,196	\$	417,518	\$	434,164	\$	436,986
Long-term obligations	\$	12,456	\$	13,474	\$	15,252	\$	11,923	\$	11,235
Stockholders' equity	\$	365,198	\$	341,877	\$	365,120	\$	386,538	\$	375,186

(a)

Operating income in 2012 includes \$12.5 million of stock-based compensation expenses.

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- (b) Operating loss in 2013 includes \$15.4 million of stock-based compensation expenses.
- (c) Operating loss in 2014 includes \$16.9 million of stock-based compensation expenses.
- (d)
 Operating loss in 2015 includes \$15.3 million of stock-based compensation expenses and \$0.8 million of restructuring expenses.
- (e) Operating income in 2016 includes \$12.2 million of stock-based compensation expenses.

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UNAUDITED PRO FORMA CONDENSED COMBINED FINANCIAL INFORMATION

Introduction

The following unaudited pro forma condensed combined financial information is presented to illustrate the estimated effects of the pending merger of Merger Subsidiary with and into Ultratech with Ultratech continuing as the surviving corporation and as a wholly owned subsidiary of Veeco and the related financing transactions, which were announced on February 2, 2017.

The merger has not yet closed. Under the terms of the merger agreement, Veeco is offering to acquire each outstanding share of Ultratech common stock (other than (i) shares of Ultratech common stock owned by Veeco or Merger Subsidiary and shares of treasury stock held by Ultratech, which will be canceled without consideration, (ii) shares of Ultratech stock held by any subsidiary of either Ultratech or Veeco, which will be converted into such number of shares of common stock of the surviving corporation such that each subsidiary owns the same percentage of the surviving corporation immediately following the effective time as such subsidiary owned of Ultratech immediately prior to the effective time (such shares, together with the shares described in clause (i) are referred to as "excluded shares") and (iii) shares held by holders of Ultratech common stock, if any, who properly exercise their appraisal rights under the DGCL (which we refer to as "dissenting shares")) in exchange for \$21.75 in cash and 0.2675 of a share of Veeco common stock, which is referred to in this proxy statement/prospectus as the merger consideration.

Pro Forma Information

The unaudited pro forma condensed combined statements of operations for the year ended December 31, 2016 combine the historical consolidated statements of operations of Veeco and Ultratech both for the fiscal year ended December 31, 2016. The unaudited pro forma condensed combined balance sheet as of December 31, 2016 combines the historical consolidated balance sheet of Veeco as of December 31, 2016 with Ultratech as of December 31, 2016, giving effect to the merger as if it had occurred on December 31, 2016. The historical consolidated financial information has been adjusted in the unaudited pro forma condensed combined financial information to give effect to pro forma events that are (i) directly attributable to the merger, (ii) factually supportable and (iii) with respect to the statements of operations, expected to have a continuing impact on the combined results. The unaudited pro forma condensed combined financial information has been prepared by Veeco using the acquisition method of accounting in accordance with GAAP.

The unaudited pro forma condensed combined financial information should be read in conjunction with the accompanying notes to the unaudited pro forma condensed combined financial information. In addition, the unaudited pro forma condensed combined financial information is based on and should be read in conjunction with the following historical consolidated financial statements and accompanying notes, which are incorporated by reference in this proxy statement/prospectus:

separate historical financial statements of Veeco as of and for the year ended December 31, 2016, and the related notes included in Veeco's Annual Report for the year ended December 31, 2016 on Form 10-K and

separate historical financial statements of Ultratech as of and for the year ended December 31, 2016, and the related notes included in Ultratech's Annual Report for the year ended December 31, 2016 on Form 10-K.

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The unaudited pro forma condensed combined financial information reflects the estimated aggregate consideration of approximately \$820.4 million for the acquisition, as calculated below (in thousands, except number of shares and price per share):

Number of shares of Ultratech common stock issued and outstanding as of February 28, 2017	27,193,744
Multiplied by exchange ratio per the merger agreement	0.2675
Number of shares of Veeco common stock to be issued*	7,274,327
Multiplied by price of Veeco common stock*	\$ 27.35
Fair value of shares of common stock to be issued to Ultratech stockholders	\$ 198,953
Cash consideration to be paid to Ultratech shareholders and equity award holders	\$ 621,239
Estimated replacement equity awards attributable to pre-acquisition service	\$ 197
Estimated merger consideration	\$ 820,389

*

The estimated merger consideration has been determined based on the closing price of Veeco common stock on February 28, 2017. Pursuant to business combination accounting rules, the final consideration will be based on the number of shares of Ultratech common stock outstanding and the price of Veeco common stock as of the closing date. The exchange ratio and cash consideration to be paid to Ultratech shareholders and equity award holders assumes no adjustment to the exchange ratio. See "The Merger Agreement Merger Consideration" beginning as page 100 of this proxy statement/prospectus.

In accordance with the acquisition method of accounting, the actual consolidated financial statements of Veeco will reflect the Ultratech acquisition only from and after the date of the completion of the acquisition. Veeco has performed a preliminary valuation analysis of the fair value of Ultratech's assets to be acquired and liabilities to be assumed. The assets and liabilities of Ultratech have been measured based on various preliminary estimates using assumptions that Veeco believes are reasonable based on information that is currently available. Differences between these preliminary estimates and the final acquisition accounting will occur, and those differences could have a material impact on the accompanying unaudited pro forma condensed combined financial information and the combined company's future results of operations and financial position. The pro forma adjustments are preliminary and have been made solely for the purpose of providing unaudited pro forma condensed combined financial statements prepared in accordance with the rules and regulations of the SEC.

Veeco intends to commence the necessary valuation and other studies required to complete the acquisition accounting promptly upon consummation of the merger and will finalize the acquisition accounting as soon as practicable within the required measurement period in accordance with Accounting Standards Codification ("ASC") Topic 805, but in no event later than one year following consummation of the merger.

The unaudited pro forma condensed combined financial information has been presented for informational purposes only. The unaudited pro forma condensed combined financial information does not purport to represent the actual results of operations that Veeco and Ultratech would have achieved had the companies been combined during this period and is not intended to project the future results of operations that the combined company may achieve after the merger. The unaudited pro forma condensed combined financial information does not reflect the realization of any cost savings following consummation of the merger and also does not reflect any related restructuring and integration charges to achieve those cost savings or any charges that may be incurred as a result of double trigger change in control provisions that may be met subsequent to the acquisition.

Unaudited Pro Forma Condensed Combined Balance Sheet As of December 31, 2016 (in thousands)

Historical

	As of	<i>c</i>	As of			F	inancing				As of 12/31/16
	12/31/1 Veeco		12/31/16 l Ultratech			n aı	nd Other		ro Forma djustments		ro Forma onsolidated
				(N	Note 1)	((Note 3)		(Note 3)		
Current Assets											
Cash and cash equivalents	\$ 277,4			\$		\$	325,850	(a) \$	(535,595)	(a) \$	154,443
Short-term investments	66,7		180,849						(100,000)	(b)	147,636
Accounts receivable, net	58,0		54,549								112,569
Inventories	77,0		50,475						6,623	(c)	134,161
Deferred cost of sales	6,1				200				(200)	(d)	6,160
Prepaid and other current assets	16,0	34	7,658								23,692
Total current assets	501,5	08	380,275		200		325,850		(629,172)		578,661
Property, plant and equipment, net	60,6	46	13,869		4,540				3,174	(e)	82,229
Intangible assets, net	58,3	78	10,630						279,520	(f)	348,528
Goodwill	114,9								208,280	(g)	323,188
Deferred income taxes	2,0										2,045
Other assets	21,0	47	10,798		(4,540)						27,305
TOTAL ASSETS	\$ 758,5	32 \$	\$ 415,572	\$	200	\$	325,850	\$	(138,198)	\$	1,361,956
Current liabilities											
Accounts payable	\$ 22,6	07 5	14,038	\$		\$		\$		\$	36,645
Accrued expenses and other current liabilities	33,2	01	18,028		(583)				5,392	(h)	56,038
Customer deposits and deferred revenue	85,0	22	4,352		783				(1,945)	(i)	88,212
Income taxes payable	2,3	11									2,311
Notes payable and current portion of											
long-term debt	3	68	1,500								1,868
Total current liabilities	143,5	09	37,918		200				3,447		185,074
Deferred income taxes	13,1	99							24,698	(j)	37,897
Long-term debt	8	26					265,184	(k)			266,010
Other liabilities	6,4	03	12,456						(295)	(1)	18,564
Total liabilities	163,9	37	50,374		200		265,184		27,850		507,545
Stockholders' equity:											
Preferred stock											
Common stock	4	07	31						46	(m)	484
Additional paid-in capital	763,3	03	378,110				70,568	(n)	(179,037)	(n)	1,032,944
Retained earnings (accumulated deficit)	(168,5	83)	54,839				(9,902)	(o)	(54,839)	(o)	(178,485)
Accumulated other comprehensive											
income (loss)	1,7		(619)						619	(p)	1,777
Treasury stock	(2,3	09)	(67,163))					67,163	(q)	(2,309)
Total stockholders' equity TOTAL LIABILITIES AND	594,5	95	365,198				60,666		(166,048)		854,411
STOCKHOLDERS' EQUITY	\$ 758,5	32 5	415,572	\$	200	\$	325,850	\$	(138,198)	\$	1,361,956

Unaudited Pro Forma Condensed Combined Statement of Operations For the year ended December 31, 2016 (in thousands, except per share amounts)

	Histo Year Ended 12/31/16 Veeco	Year Ended 12/31/16	Reclassificatio Adjustments	on Financing Adjustments		o Forma justments		P	Year Ended 12/31/16 ro Forma nsolidated	
			(Note 1)	(Note 3)	,	Note 3)				
Net sales	\$ 332,451	\$ 194,051	\$	\$	\$			\$	526,502	
Cost of sales	199,593	105,316	(1,623))		24	(r)		303,310	
Gross profit	132,858	88,735	1,623			(24)			223,192	
Operating expenses, net:										
Research and development	81,016	35,201				35	(s)		116,252	
Selling, general, and										
administrative	77,642	45,412	(170))		(322)	(t)		122,562	
Amortization of intangible assets	19,219		1,659			31,699	(u)		52,577	
Restructuring	5,640								5,640	
Asset impairment	69,520								69,520	
Other, net	223		134						357	
Total operating expenses	253,260	80,613	1,623			31,412			366,908	
Operating income (loss)	(120,402)	8,122				(31,436)			(143,716)	
Interest income (expense), net	958	570		(20,208) (v)	(1,180)	(v)		(19,860)	
Income (loss) before income taxes	(119,444)	8,692		(20,208)	,	(32,616)	(,)		(163,576)	
Income tax expense (benefit)	2,766	(2,545)		(20,200)		(619)	(w)		(398)	
meome tax expense (benefit)	2,700	(2,545)	,			(01))	(")		(370)	
Net income (loss)	\$ (122,210)	\$ 11,237	\$	\$ (20,208)	\$	(31,997)		\$	(163,178)	
Income (loss) per common share Basic / diluted	\$ (3.11)							\$	(3.50)	
Weighted average shares outstanding Basic / diluted	39,340		24						46,614 ((x)

NOTES TO UNAUDITED PRO FORMA CONDENSED COMBINED FINANCIAL INFORMATION

Note 1. Basis of Pro Forma Presentation

The unaudited pro forma condensed combined financial information is based on Veeco's and Ultratech's historical consolidated financial statements as adjusted to give effect to the acquisition of Ultratech and the debt issuance Veeco closed in January 2017, the proceeds from which Veeco will use toward satisfaction of the cash portion of the merger consideration. The unaudited pro forma condensed combined statements of operations for the year ended December 31, 2016 give effect to the Ultratech acquisition as if it had occurred on January 1, 2016. The unaudited condensed combined pro forma balance sheet as of December 31, 2016 gives effect to the Ultratech acquisition as if it had occurred on December 31, 2016.

The unaudited pro forma condensed combined financial information is prepared in accordance with Article 11 of Regulation S-X. The historical financial information has been adjusted to give effect to transactions that are (i) directly attributable to the merger, (ii) factually supportable and (iii) with respect to the unaudited pro forma condensed combined statement of operations, expected to have a continuing impact on the operating results of the combined company. The historical information of Veeco and Ultratech is presented in accordance with GAAP. Veeco is not currently aware of any significant accounting policy differences between Veeco and Ultratech. Certain reclassification adjustments have been made to conform Ultratech's presentation of financial information to Veeco's presentation (see below). Following the acquisition and during the ASC Topic 805 measurement period, management will conduct a final review of Ultratech's accounting policies in an effort to determine if differences in accounting policies require adjustment or reclassification of Ultratech's results of operations or reclassification of assets or liabilities to conform to Veeco's accounting policies and classifications. As a result of this review, management may identify differences that, when conformed, could have a material impact on this unaudited pro forma condensed combined financial information.

The acquisition method of accounting is based on ASC Topic 805, Business Combinations, which uses the fair value concepts defined in ASC Topic 820, Fair Value Measurements and Disclosures.

ASC Topic 805 requires, among other things, that assets and liabilities acquired be recognized at their fair values as of the acquisition date. Financial statements of Veeco issued after completion of the Ultratech acquisition will reflect such fair values, measured as of the acquisition date, which may be different than the estimated fair values included in this unaudited pro forma condensed combined financial information. In addition, ASC Topic 805 establishes that the consideration transferred be measured at the closing date of the Ultratech acquisition at the then-current fair value, which will likely result in acquisition consideration that is different from the amount assumed in this unaudited pro forma condensed combined financial information.

ASC Topic 820 defines the term "fair value" and sets forth the valuation requirements for any asset or liability measured at fair value, expands related disclosure requirements and specifies a hierarchy of valuation techniques based on the nature of the inputs used to develop the fair value measures. Fair value is defined as "the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date." This is an exit price concept for the valuation of the asset or liability. In addition, market participants are assumed to be buyers and sellers unrelated to Vecco in the principal (or the most advantageous) market for the asset or liability. Fair value measurements for an asset assume the highest and best use by these market participants. As a result of these standards, Vecco may be required to record assets which are not intended to be used or sold and/or to value assets at fair value measures that do not reflect Vecco's intended use of those assets. Many of these fair value measurements can be highly subjective and it is also possible that other professionals, applying reasonable judgment to the same facts and circumstances, could develop and support a range of alternative estimated amounts.

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Under ASC Topic 805, acquisition-related transaction costs (such as advisory, legal, valuation, other professional fees) are not included as a component of acquisition consideration and are excluded from the unaudited pro forma condensed combined statements of operations. Such costs will be expensed in the historical statements of operations in the periods incurred. Veeco expects to incur total acquisition-related transaction costs of approximately \$9.9 million and Ultratech expects to incur total acquisition-related transaction costs of approximately \$0.4 million was incurred in 2016.

The unaudited pro forma condensed combined financial information are presented solely for informational purposes and are not necessarily indicative of the combined results of operations or financial position that might have been achieved for the periods or dates indicated, nor is the unaudited pro forma condensed combined financial information necessarily indicative of the future results of the combined company.

The unaudited pro forma condensed combined financial information does not reflect any cost savings from future operating synergies or integration activities, or any revenue, tax, or other synergies that could result from the acquisition. In addition they do not reflect any related restructuring, severance and integration charges to achieve those cost savings or any charges that may be incurred as a result of double trigger change in control provisions that may be met subsequent to the acquisition.

Certain reclassification adjustments presented below have been made to Ultratech's historical balance sheet as of December 31, 2016 and consolidated results of operations for the year ended December 31, 2016 to conform to Veeco's presentation (in thousands):

Balance Sheet as of December 31, 2016

	Before Reclassification	Reclassification (dollars in thousands)	After Reclassification
Deferred cost of sales		200 _(i)	200
Property, plant and equipment, net	13,869	4,540 _(ii)	18,409
Other assets	10,798	(4,540) _(ii)	6,258
Accrued expenses and other current liabilities	18,028	(583) _(iii)	17,445
Customer deposits and deferred revenue	4,352	200 _(i)	5,135
		583 _(iii)	

- (i)

 Represents the reclassification of deferred cost of goods sold from the "Customer deposits and deferred revenue" line item to the "Deferred cost of goods sold" line item.
- (ii) Represents the reclassification of demonstration and laboratory equipment from the "Other assets" line item to the "Property, plant and equipment" line item.
- (iii)

 Represents the reclassification of advanced billings from the "Accrued expenses and other current liabilities" line item to the "Customer deposits and deferred revenue" line item.

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Statement of Operations for the year ended December 31, 2016

	Before		After
	Reclassification	Reclassification	Reclassification
	(dollars in thousands)	
Cost of sales	105,316	$(1,600)_{(iv)}$	103,693
		$(23)_{(v)}$	
Selling, general, and administrative	45,412	(59) _(iv)	45,242
		$(111)_{(v)}$	
Amortization of intangible assets		1,659 _(iv)	1,659
Other, net		134 _(v)	134

- (iv)

 Represents the reclassification of amortization of intangible assets from the "Cost of sales" and "Selling, general, and administrative" line items to the "Amortization of intangible assets" line item.
- (v)

 Represents the reclassification of loss from disposal of assets from the "Cost of sales" and "Selling, general, and administrative" line items to the "Other, net" line item.

Note 2. Estimated Ultratech Purchase Consideration and Preliminary Purchase Price Allocation

The following summarizes the preliminary allocation of the purchase price for Ultratech based on the terms of the merger agreement and Veeco's preliminary estimates of fair value of assets and liabilities as if the acquisition had occurred on December 31, 2016. The final determination of the allocation of the purchase price will be based on the fair value of such assets and liabilities as of the actual merger date (in thousands):

Purchase price allocation		
Cash and cash equivalents	\$	72,388
Short-term investments		180,849
Accounts receivable, net		54,549
Inventories		57,098
Prepaid and other current assets		7,658
Property, plant and equipment, net		21,583
Intangible assets, net		290,150
Other assets		6,258
Total Assets		690,533
Accounts payable		14,038
Accrued expenses and other current liabilities		22,837
Customer deposits and deferred revenue		3,190
Notes payable and current portion of long-term debt		1,500
Deferred income taxes non-current		24,698
Other liabilities		12,161
Total Liabilities		78,424
Net assets acquired (a)		612,109
•		
Estimated purchase consideration (b)		820,389
Zommies paremer consideration (b)		020,000
Estimated goodwill (b) - (a)	\$	208,280
(-)	-	,

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This preliminary purchase price allocation has been used to prepare pro forma adjustments in the unaudited pro forma condensed combined balance sheet and unaudited pro forma condensed combined statement of operations. The final purchase price allocation will be determined when Veeco has completed the detailed valuations and necessary calculations. The final allocation could differ materially from the preliminary allocation used in the pro forma adjustments. The final allocation may include (1) changes in fair values of property, plant and equipment, (2) changes in allocations to intangible assets such as technology and customer relationships as well as goodwill, (3) changes in deferred income taxes, and (4) other changes to assets and liabilities.

Estimated goodwill represents the excess of the preliminary estimated purchase price over the estimated fair value of the underlying net assets acquired. Estimated goodwill is not amortized but instead is reviewed for impairment at least annually, absent any indicators of impairment. Goodwill recognized in the merger is not expected to be deductible for tax purposes.

Estimated Purchase Consideration Sensitivity. The table below illustrates the potential impact to the total estimated purchase price for Ultratech resulting from a 10% increase or decrease in the price of Veeco common stock of \$27.35 on February 28, 2017. For the purpose of this calculation, the total number of shares and equity awards (vested and unvested) has been assumed to be the same as in the table above (in thousands):

	Stock Price			rchase Price	(Goodwill
10% increase in Veeco's share price						
Stock Consideration	\$	30.09		218,848		
Cash Consideration			(622,823		
Replacement Award Consideration				202		
			\$	841,873	\$	229,764

109	o de	crease	ın \	/ eeco	'S	share	price

Stock Consideration	\$ 24.62	179,058	
Cash Consideration		619,756	
Replacement Award Consideration		192	

\$ 799,006 \$ 186,897

(a)

For pro forma purposes, Veeco has assumed the cash portion of the transaction will be funded with a combination of available cash as well as a borrowing of approximately \$345.0 million under the public offering of Convertible Notes that Veeco completed in January 2017. For a more complete description of Veeco's Convertible Notes financing for the merger, see Veeco's Current Report on Form 8-K filed on January 18, 2017.

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Note 3. Pro Forma Adjustments

Balance Sheet Adjustments. The unaudited pro forma adjustments related to Ultratech included in the unaudited pro forma condensed combined balance sheet are as follows (in thousands):

(a) Cash and cash equivalents

	De	ecember 31, 2016
Cash consideration paid for shares and vested equity awards	\$	(621,239)
Cash provided from borrowing		345,000
Cash provided from sale of short-term investments		100,000
Cash paid for debt financing costs		(9,248)
Estimated Ultratech transaction costs anticipated to be paid concurrent with the closing of the merger		(14,356)
Estimated Veeco transaction costs anticipated to be paid concurrent with the closing of the merger		(9,902)
Total adjustments to cash and cash equivalents	\$	(209,745)

(b) Short-term Investments

This adjustment represents the estimated proceeds from the sale of short-term investments that will be used to finance the acquisition in order to maintain sufficient cash reserve balances.

(c) Inventory

This adjustment represents the estimated adjustment to step up Ultratech inventory to a fair value of approximately \$5.1 million, an increase of approximately \$6.6 million from the carrying value. The fair value estimate is preliminary and subject to change. The fair value was determined based on the estimated selling price of the inventory, less the remaining manufacturing and selling costs and a normal profit margin on those manufacturing and selling efforts. After the acquisition, the step-up in inventory fair value of approximately \$6.6 million will increase cost of sales over approximately six months as the inventory is sold. This increase is not reflected in the pro forma condensed combined statement of operations because it does not have a continuing impact.

(d) Deferred cost of sales

This adjustment represents the estimated adjustment to Ultratech deferred cost of sales of approximately \$0.2 million.

(e) Property, plant and equipment, net

This adjustment represents the estimated adjustment to step up Ultratech's property and equipment to a fair value of approximately \$21.6 million, an increase of approximately \$3.2 million from the carrying value. The fair value estimate is preliminary and subject to change.

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(f)

Intangibles

	De	cember 31, 2016	Estimated Useful Life
To eliminate the historical net book value of Ultratech's intangible assets	\$	(10,630)	
Technology		113,580	9 years
In-process research and development		31,930	n/a
Customer relationships		113,940	12 years
Trademark and trade name		22,700	7 years
Order backlog		8,000	0.5 years
Total adjustments to intangibles	\$	279,520	

Identifiable intangible assets and liabilities acquired include developed technology, customer relationships, trademark and trade name, backlog and in-process research and development. In-process research and development will be accounted for as an indefinite-lived intangible asset until the underlying projects are completed or abandoned. The fair value of intangible assets is based on Veeco's preliminary valuation as of the deemed acquisition date of December 31, 2016. Estimated useful lives (where relevant for the purposes of these unaudited pro forma financial statements) are based on the time periods during which the intangibles are expected to result in incremental cash flows.

(g) Goodwill

This adjustment represents the preliminary estimated goodwill associated with the acquisition of Ultratech of approximately \$208.3 million. Goodwill was calculated by taking total consideration transferred of \$820.4 million less identifiable net assets acquired of \$612.1 million.

(h) Accrued liabilities

	ember 31, 2016
To record fair value of deferred compensation plan liabilities payable upon change in control	\$ 3,114
To record fair value of Ultratech payroll tax liability	2,278
Total adjustments to Accrued liabilities	\$ 5,392

(i) Customer deposits and deferred revenue

	December 31, 2016	
To eliminate the historical current deferred revenue of Ultratech	\$	(5,135)
To record preliminary fair value of current deferred revenue		3,190
Total adjustments to Customer deposits and deferred revenue	\$	(1,945)

After the acquisition, this adjustment will not have a continuing impact as the service contracts, extended warranties, and customer deposits are primarily provided over 12 months and, accordingly, have been excluded from the unaudited pro forma condensed combined statement of

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(j)

Deferred income taxes

	Dec	ember 31, 2016
Fair value adjustment on identifiable intangible assets	\$	24,570
Fair value adjustment on property, plant and equipment		128
Total adjustments to non-current deferred tax liabilities	\$	24,698

(k)

Debt

	Dec	December 31, 2016	
New debt financing	\$	345,000	
Debt discount for convertible feature		(72,512)	
Debt discount for issuance costs		(7,304)	
Total adjustments to Long-term debt	\$	265,184	

(l)

Other liabilities

	December 31, 2016	
To eliminate the historical non-current deferred revenue of Ultratech	\$	(1,145)
To record preliminary fair value of non-current deferred revenue		850
Total adjustments to Other liabilities, non-current	\$	(295)

(m)

Common stock

	nber 31, 016
To eliminate the historical common stock of Ultratech	\$ (31)
To record the par value of common stock issued by Veeco in connection with the transaction	73
To record the par value of common stock issued by Veeco in connection with replacement awards	4
Total adjustments to Common stock	\$ 46

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(n)
Additional paid-in-capital

	De	cember 31, 2016
To eliminate the historical additional paid-in capital of Ultratech	\$	(378,110)
To record the additional paid-in capital for estimated common stock issued by Veeco in connection with the transaction		198,880
To record the additional paid-in capital for replacement awards attributable to pre-acquisition services		193
To record the additional paid-in capital associated with the conversion feature of the new debt financing net of \$1,944 of associated debt issuance costs		70,568
Total adjustments to Additional paid-in capital	\$	(108,469)

(o) Retained earnings (accumulated deficit)

	Dec	December 31, 2016	
To eliminate the historical retained earnings of Ultratech	\$	(54,839)	
To record Veeco estimated transaction costs		(9,902)	
Total adjustments to Retained earnings (accumulated deficit)	\$	(64,741)	

(p)
Accumulated other comprehensive income (loss)

To eliminate \$0.6 million of historical accumulated other comprehensive loss of Ultratech.

(q) Treasury stock

To eliminate \$67.2 million of historical treasury stock relating to Ultratech.

Statement of Operations Adjustments. The unaudited pro forma adjustments related to Ultratech included in the unaudited pro forma condensed combined statements of operations for the year ended December 31, 2016 are as follows (in thousands):

(r) Cost of sales

To record net impact of \$0.02 million eliminating the historical depreciation expense related to property, plant and equipment included within the operating results of Ultratech as well as adjusting for depreciation expense related to the fair value adjustments of property, plant and equipment as part of purchasing accounting.

(s) Research and development

To record net impact of \$0.04 million eliminating the historical depreciation expense related to property, plant and equipment included within the operating results of Ultratech as well as adjusting for depreciation expense related to the fair value adjustments of property, plant and equipment as part of purchasing accounting.

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(t) Selling, general and administrative

	Pro Fo Fiscal Y Endo Decemb 201	Year ed er 31,
To record the net impact of eliminating the historical depreciation expense related to PP&E included within the operating results of Ultratech as well as adjusting for the depreciation expense related to the fair value adjustments of PP&E as part of purchase accounting	\$	64
To eliminate Ultratech's incurred transaction costs recorded in selling, general and administrative expenses Total adjustments to Selling, general and administrative	\$	(386)

(u) Amortization of intangible assets

To record the net impact of amortization expense of \$31.7 million related to newly acquired intangible assets associated with Ultratech.

(v)
Interest income (expense), net

The following table shows the change in interest expense:

	Pro Forma Fiscal Year Ended December 31, 2016	
To adjust interest income related to the cash paid in connection with the acquisition	\$	(1,180)
Debt financing interest expense		(20,208)
Total adjustments to Interest income (expense), net	\$	(21,388)

(w)
Income tax expense (benefit)

	Fiscal Year Fiscal Year Ended December 31, 2016		
Adjustment on account of step-up in amortization of foreign intangible assets	\$	(612)	
Adjustment on account of step-up in depreciation of foreign plant property and equipment assets		(7)	
Total adjustments to Income tax expense (benefit)	\$	(619)	

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(x)
Income (loss) per common share

Pro forma income (loss) per common share are based on historical Veeco weighted average shares outstanding, adjusted to assume the shares estimated to be issued by Veeco for the Ultratech acquisition were outstanding for the entire periods presented.

	Pro Forma Fiscal Year Ended December 31, 2016	
Veeco weighted average shares outstanding basic and diluted	\$	39,340
Veeco shares estimated to be issued for Ultratech acquisition		7,274
Pro forma combined weighted average shares outstanding	\$	46,614

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COMPARATIVE HISTORICAL AND UNAUDITED PRO FORMA PER SHARE DATA

Presented below are Veeco's and Ultratech's historical per share data, unaudited pro forma combined per share data, and unaudited pro forma equivalent data for the years ended December 31, 2016, 2015, and 2014. This information should be read together with the consolidated financial statements and related notes of Veeco and Ultratech that are incorporated by reference into this proxy statement/prospectus and with the unaudited pro forma condensed combined financial data included under the section entitled "Unaudited Pro Forma Condensed Combined Financial Information." The pro forma information is presented for illustrative purposes only and is not necessarily indicative of the operating results or financial position that would have occurred if the merger had been completed as of the beginning of the periods presented or on the dates presented, nor is it necessarily indicative of the future operating results or financial position of the combined company. The pro forma net income per share of the combined company is computed by dividing the pro forma net income by the pro forma weighted average number of basic or diluted shares outstanding. The historical book value per share is computed by dividing total stockholders' equity by the number of diluted shares of common stock outstanding at the end of the period. The pro forma book value per share of the combined company is computed by dividing total pro forma stockholders' equity by the pro forma number of shares of common stock outstanding at the end of the period. The unaudited pro forma equivalent share data was calculated by multiplying the unaudited pro forma combined company common share amounts by the exchange ratio of 0.2675.

		Fiscal					
			2016		2015		2014
Veeco Historical Per Common Share Data							
Net income (loss)		\$	(3.11)	\$	(0.80)	\$	(1.70)
Net income (loss) assuming dilution		\$	(3.11)	\$	(0.80)	\$	(1.70)
Cash dividends							
Book Value		\$	15.11	\$	17.98	\$	18.78
Pro Forma Combined Per Veeco Common Share Data							
Net income (loss)		\$	(3.50)	\$	(2.07)	\$	(2.91)
Net income (loss) assuming dilution		\$	(3.50)	\$	(2.07)	\$	(2.91)
Cash dividends							
Book Value		\$	18.33	\$	20.70	\$	21.27
Ultratech Historical Per Common Share Data							
Net income (loss)		\$	0.42	\$	(0.55)	\$	(0.67)
Net income (loss) assuming dilution		\$	0.41	\$	(0.55)	\$	(0.67)
Cash dividends							
Book Value		\$	13.36	\$	12.46	\$	12.84
Pro Forma Combined Per Ultratech Equivalent Common Share Data							
Net income (loss)		\$	(0.94)	\$	(0.55)	\$	(0.78)
Net income (loss) assuming dilution		\$	(0.94)	\$	(0.55)	\$	(0.78)
Cash dividends							
Book Value		\$	4.90	\$	5.54	\$	5.69
	35						

COMPARATIVE MARKET PRICE AND DIVIDEND INFORMATION (UNAUDITED)

Shares of Vecco's common stock are listed for trading on NASDAQ under the symbol "VECO." Shares of Ultratech common stock are listed for trading on NASDAQ under the symbol "UTEK."

Historical Market Price Information

The following table sets forth, for the periods indicated, the intraday high and low sales prices per share of Veeco common stock and per share of Ultratech common stock, in both cases as reported on NASDAQ.

On February 1, 2017, the last trading day before the execution and public announcement of the Merger Agreement, the closing price of a share of Veeco common stock on NASDAQ was \$25.75. On , 2017, the last practicable trading day prior to the date of this proxy statement/prospectus, the closing price of a share of Veeco common stock on NASDAQ was \$.

On February 1, 2017, the last trading day before the execution and public announcement of the Merger Agreement, the closing price of a share of Ultratech common stock on NASDAQ was \$25.94. On \$2017, the last practicable trading day prior to the date of this proxy statement/prospectus, the closing price of a share of Ultratech common stock on NASDAQ was \$.

On , 2017 the last practicable day prior to the date of this proxy statement/prospectus, there were common stock outstanding and shares of Ultratech common stock outstanding. As of such date, Veeco had common stock and Ultratech had holders of record of its common stock.

		VECO				UTEK	_	
				vidend Paid (per			D	ividend Paid (per
	High	Low	S	hare)	High	Low	5	share)
		(\$)				(\$)		
Year Ended December 31, 2014								
Quarter ended March 31, 2014	44.35	31.78	\$	0.00	29.85	23.10	\$	0.00
Quarter ended June 30, 2014	44.39	30.57	\$	0.00	29.40	20.28	\$	0.00
Quarter ended September 30, 2014	38.03	33.10	\$	0.00	27.72	21.82	\$	0.00
Quarter ended December 31, 2014	38.40	30.54	\$	0.00	23.16	16.84	\$	0.00
Year Ended December 31, 2015								
Quarter ended March 31, 2015	35.44	27.80	\$	0.00	19.13	15.59	\$	0.00
Quarter ended June 30, 2015	32.10	27.80	\$	0.00	21.00	16.81	\$	0.00
Quarter ended September 30, 2015	29.02	19.89	\$	0.00	18.91	14.75	\$	0.00
Quarter ended December 31, 2015	22.06	16.54	\$	0.00	20.46	13.97	\$	0.00
Year Ended December 31, 2016								
Quarter ended March 31, 2016	21.78	15.26	\$	0.00	22.35	17.31	\$	0.00
Quarter ended June 30, 2016	20.20	15.62	\$	0.00	23.65	19.52	\$	0.00
Quarter ended September 30, 2016	21.49	15.53	\$	0.00	26.40	22.23	\$	0.00
Quarter ended December 31, 2016	30.45	19.48	\$	0.00	24.27	20.69	\$	0.00
Year Ended December 31, 2017								
Quarter ended March 31, 2017	30.28	24.45	\$	0.00	29.77	23.75	\$	0.00
Quarter ended June 30, 2017 (through April , 2017)			\$	0.00			\$	0.00
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Recent Closing Prices and Comparative Market Price Information

Shares of Veeco's common stock are listed for trading on Nasdaq under the symbol "VECO" and shares of Ultratech common stock are listed for trading on Nasdaq under the symbol "UTEK". The following table sets forth the closing sales prices of a share of Veeco common stock (as reported on Nasdaq) and of Ultratech common stock (as reported on Nasdaq), each on February 1, 2017, the last trading day before the day on which Veeco and Ultratech announced the execution of the merger agreement, and on , 2017, the last practicable trading day before the date of this proxy statement/prospectus.

	Veecc Commo Stock Price p Share	on C	ltratech ommon Stock rice per Share
February 1, 2017	\$ 25	5.75 \$	25.94
. 2017	\$	\$	

The market prices of Veeco common stock and Ultratech common stock will fluctuate before the special meeting and before the merger is consummated. The price of Veeco common stock at the closing will not be known at the time of the special meeting and may be more or less than the current price of Veeco common stock or the price of Veeco common stock at the time of the special meeting. Based on the closing stock price of Veeco common stock on Nasdaq on February 1, 2017 of \$25.75, the value of the stock consideration was \$6.89. Based on the closing stock price of Veeco common stock on Nasdaq on , 2017, the latest practicable date before the mailing of this proxy statement/prospectus, of \$, the value of the stock consideration was \$. We urge you to obtain current market quotations for shares of Veeco common stock and Ultratech common stock. You should obtain current stock price quotations from a newspaper, the Internet or your broker or banker.

Dividend Policy

Veeco's Dividend Policy. Veeco has never declared or paid any cash dividends on its common stock. The Veeco board will determine future dividend policy based on Veeco's consolidated results of operations, financial condition, capital requirements, and other circumstances. The merger agreement prohibits Veeco from authorizing or paying dividends or making distributions on its capital stock, so Veeco does not expect to pay dividends for as long as the merger agreement is in effect.

Ultratech's Dividend Policy. Ultratech has never declared or paid any cash dividends on its common stock. The merger agreement prohibits Ultratech from authorizing or paying dividends or making distributions on its capital stock, so Ultratech does not expect to pay dividends for as long as the merger agreement is in effect.

RISK FACTORS

In addition to the other information included and incorporated by reference in this proxy statement/prospectus, including the matters addressed in the section entitled "Special Note Regarding Forward-Looking Statements" beginning on page 46 of this proxy statement/prospectus, you should carefully consider the following risks before deciding whether to vote for the adoption of the merger agreement. In addition, you should read and consider the risks associated with each of the businesses of Veeco and Ultratech because these risks will also affect Veeco after the merger. These risks can be found in the Annual Reports on Form 10-K for Veeco for the fiscal year ended December 31, 2016, and for Ultratech for the fiscal year ended December 31, 2016, and any amendments thereto, as such risks may be updated or supplemented in each company's subsequently filed Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and Annual Reports on Form 10-K, which are, or will be, incorporated by reference into this proxy statement/prospectus. The risks and uncertainties described below are not the only risks and uncertainties the parties may face. Additional risks and uncertainties not presently known to the parties, or that the parties currently consider immaterial, could also negatively affect the business, financial condition, results of operations, prospects, profits and stock prices of Veeco (including after the merger) or Ultratech. You should also read and consider the other information in this proxy statement/prospectus and the other documents incorporated by reference in this proxy statement/prospectus. See the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

Risk Factors Relating to the Merger

Because the stock consideration is based on a fixed exchange ratio and the market price of Veeco common stock will fluctuate, Ultratech stockholders cannot be sure of the merger consideration they will receive at the time of the special meeting or at any time prior to the closing of the merger.

Upon completion of the merger, each share of Ultratech common stock will be converted into the right to receive merger consideration consisting of shares of Veeco common stock and cash pursuant to the terms of the merger agreement. As of practicable date before the mailing of this proxy statement/prospectus, the per share value of the merger consideration to be received by Ultratech stockholders was equal to approximately \$, which includes (i) \$21.75 in cash, without interest, and (ii) 0.2675 shares of Veeco common stock, subject to adjustment in certain cases as further discussed under the section entitled "The Merger Agreement The Merger" beginning on page 99 of this proxy statement/prospectus. The total value of the merger consideration that an Ultratech stockholder will receive upon completion of the merger will depend on the price of Veeco common stock as of the effective time. This price may vary from the closing price of Veeco common stock on the date we announced the merger, on the date that this proxy statement/prospectus was mailed to Ultratech stockholders, on the date of the special meeting and on the closing date. Any change in the market price of Veeco common stock prior to completion of the merger will affect the total value of the merger consideration that an Ultratech stockholder will receive upon completion of the merger. Accordingly, at the time of the special meeting, Ultratech stockholders will not necessarily know or be able to calculate the total value of the merger consideration they would receive upon completion of the merger. Neither company is permitted to terminate the merger agreement or resolicit the vote of Ultratech's stockholders solely because of changes in the market prices of either company's stock. Stock price changes may result from a variety of factors, including general market and economic conditions, changes in our respective businesses, operations and prospects, and regulatory considerations. Many of these factors are beyond our control. You should obtain current market quotations for shares of Veeco common stock and for shares of Ultratech common stock.

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The market price of Veeco common stock after the merger will fluctuate and may be affected by factors different from those affecting shares of Ultratech stock or Veeco stock currently.

Upon completion of the merger, Ultratech stockholders will become Veeco stockholders. The market price of Veeco common stock may fluctuate significantly following consummation of the merger and Ultratech stockholders could lose the value of their investment in Veeco common stock. In addition, the stock market has experienced significant price and volume fluctuations in recent times which could have a material adverse effect on the market for, or liquidity of, the Veeco common stock, regardless of Veeco's actual operating performance. In addition, the results of operations of the combined company and the market price of Veeco common stock after the completion of the merger may be affected by factors different from those currently affecting the independent results of operations of each of Veeco and Ultratech. For a discussion of the businesses of Veeco and Ultratech and of some important factors to consider in connection with those businesses, see the documents incorporated by reference into this proxy statement/prospectus and referred to in the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

Sales of shares of Veeco common stock after the completion of the transaction may cause the market price of Veeco common stock to fall.

Based on the number of outstanding shares of Ultratech common stock as of this proxy statement/prospectus, Veeco would issue approximately shares of Veeco common stock in connection with the merger. Many Ultratech stockholders may decide not to hold the shares of Veeco common stock they will receive in the merger. Other Ultratech stockholders may be required to sell the shares of Veeco common stock that they receive in the merger. Such sales of Veeco common stock could have the effect of depressing the market price for Veeco common stock and may take place promptly following the merger.

The merger is subject to a number of conditions, some of which are outside of the parties' control, and, if these conditions are not satisfied, the merger agreement may be terminated and the merger may not be completed.

The merger agreement contains a number of conditions that must be fulfilled to complete the merger. These conditions include, among others, adoption by Ultratech stockholders of the merger agreement; the absence of any temporary restraining order, preliminary or permanent injunction or other judgment issued by any court of competent jurisdiction pending or in effect that would enjoin or otherwise prohibit the consummation of the merger; the Form S-4 of which this proxy statement/prospectus forms a part having been declared effective by the SEC under the 1933 Act, no stop order suspending the effectiveness of the Form S-4 having been issued by the SEC and no proceedings for that purpose having been initiated by the SEC; authorization by Nasdaq for listing of the shares of Veeco common stock to be issued in the merger; accuracy of representations and warranties of the parties to the applicable standard provided by the merger agreement; no "Company Material Adverse Effect" or "Parent Material Adverse Effect" (each as defined in the merger agreement) having occurred since the date of the merger agreement and performance by the parties with all of their obligations required to be performed by the merger agreement in all material respects.

The required satisfaction of the foregoing conditions could delay the completion of the merger for a significant period of time or prevent it from occurring. Any delay in completing the merger could cause Veeco not to realize some or all of the benefits that the parties expect Veeco to achieve following the merger. Further, there can be no assurance that the conditions to closing will be satisfied or waived or that the merger will be completed.

In addition, if the merger is not completed by October 30, 2017 (subject to a potential extension if Veeco or Ultratech brings a suit, action or proceeding to enforce specifically the terms and provisions

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of the merger agreement), either Veeco or Ultratech may choose to terminate the merger agreement. Veeco or Ultratech may also elect to terminate the merger agreement in certain other circumstances, and the parties can mutually decide to terminate the merger agreement at any time prior to the effective time, before or after approval by Ultratech's stockholders, as applicable. See the section entitled "The Merger Agreement Termination of the Merger Agreement" beginning on page 121 of this proxy statement/prospectus for a more detailed description of these circumstances.

Failure to complete the merger could negatively affect the share prices and the future business and financial results of either or both of Veeco and Ultratech.

If the merger is not completed, the ongoing businesses of either or both of Veeco and Ultratech may be adversely affected. Additionally, if the merger is not completed and the merger agreement is terminated, in certain circumstances Ultratech may be required to pay Veeco a termination fee of \$26.5 million. See the sections entitled "The Merger Agreement Termination of the Merger Agreement" beginning on page 121 of this proxy statement/prospectus and "The Merger Agreement Termination Fee Payable by Ultratech" beginning on page 123 of this proxy statement/prospectus for a more detailed description of these circumstances. In addition, Veeco and Ultratech have incurred and will continue to incur significant transaction expenses in connection with the merger regardless of whether the merger is completed. Furthermore, Veeco or Ultratech may experience negative reactions from the financial markets, including negative impacts on their stock prices, or negative reactions from their customers, suppliers or other business partners, should the merger not be completed.

The foregoing risks, or other risks arising in connection with the failure to consummate the merger, including the diversion of management attention from conducting the business of the respective companies and pursuing other opportunities during the pendency of the merger, may have a material adverse effect on the businesses, operations, financial results and stock prices of Veeco and Ultratech. Either or both of Veeco or Ultratech could also be subject to litigation related to any failure to consummate the merger or any related action that could be brought to enforce a party's obligations under the merger agreement.

Litigation against Veeco and Ultratech, or the members of the Ultratech board, could prevent or delay the completion of the merger or result in the payment of damages following completion of the merger.

As further discussed in the section entitled "Litigation Related to the Merger" beginning on page 99 of this proxy statement/prospectus, there have been two purported class actions filed by Ultratech shareholders related to the merger. While Ultratech and Veeco believe that the claims asserted in these actions are without merit, the results of any such potential legal proceedings are difficult to predict, and could delay or prevent the merger from becoming effective in a timely manner. The existence of litigation related to the merger could affect the likelihood of obtaining the required approval from Ultratech stockholders. Moreover, any litigation could be time consuming and expensive, could divert Veeco's and Ultratech's management's attention away from their regular business and, if any lawsuit is adversely resolved against either Veeco, Ultratech or members of the Ultratech board (each of whom Ultratech is required to indemnify pursuant to indemnification agreements), could have a material adverse effect on Veeco's or Ultratech's financial condition.

One of the conditions to closing is that no temporary restraining order, preliminary or permanent injunction or other judgment issued by any court of competent jurisdiction shall be pending or in effect that would enjoin or otherwise prohibit the consummation of the merger. Consequently, if a settlement or other resolution is not reached in any lawsuit that is filed and a claimant secures injunctive or other relief prohibiting, delaying or otherwise adversely affecting Veeco's and/or Ultratech's ability to complete the merger on the terms contemplated by the merger agreement, then such injunctive or other relief may prevent the merger from becoming effective in a timely manner or at all.

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The merger agreement contains provisions that limit Ultratech's ability to pursue alternatives to the merger, could discourage a potential competing acquiror of Ultratech from making an alternative acquisition proposal and, in specified circumstances, could require Ultratech to pay a termination fee to Veeco.

The merger agreement provides that Ultratech will not, and will cause each of its subsidiaries and its and their respective officers, directors, employees, and investment bankers, attorneys, accounts and other advisors retained by Ultratech or its subsidiaries not to, directly or indirectly, subject to certain exceptions set forth in the merger agreement related to certain unsolicited offers, (i) solicit, initiate or knowingly facilitate or encourage the submission of any proposals related to any alternative transaction, (ii) enter into or participate in any discussions or negotiations with, or furnish any non-public information or access relating to Ultratech or any of its subsidiaries to, any person with respect to an a proposal for an alternative transaction or any inquiry or proposal that could reasonably be expected to lead to a proposal for an alternative transaction or (iii) enter into any agreement in principle, letter of intent, memorandum of understanding, merger agreement, acquisition agreement or other similar agreement relating to a proposal for an alternative transaction. If the merger agreement is terminated by (i) Veeco prior to obtaining the Ultratech stockholder approval because the Ultratech board has effected a change of its recommendation in favor of the merger or (ii) by Ultratech prior to the receipt of the Ultratech stockholder approval in order to enter into an alternative acquisition agreement that meets certain requirements set forth in the agreement, then Ultratech will be required to pay a termination fee of \$26.5 million to Veeco.

These provisions could discourage a potential third-party acquiror or merger partner that might have an interest in acquiring all or a significant portion of Ultratech or pursuing an alternative transaction from considering or proposing such a transaction, even if it were prepared to pay consideration with a higher per share cash or market value than the consideration in the merger, or might result in a potential third-party acquiror or merger partner proposing to pay a lower price to Ultratech stockholders than it might otherwise have proposed to pay because of the added expense of the termination fee that may become payable in certain circumstances.

If the merger agreement is terminated and Ultratech determines to seek another business combination, Ultratech may not be able to negotiate a transaction with another party on terms comparable to, or better than, the terms of the merger.

Until the completion of the merger or the termination of the merger agreement in accordance with its terms, in consideration of the agreements made by the parties in the merger agreement, Ultratech is prohibited from entering into certain transactions and taking certain actions that might otherwise be beneficial to Ultratech and its stockholders.

Until the merger is completed, the merger agreement restricts Ultratech from taking specified actions without the consent of Veeco, and requires Ultratech to operate in the ordinary course of business consistent with past practice. These restrictions may prevent Ultratech from making appropriate changes to its businesses, retaining or expanding its workforces, paying dividends or pursuing attractive business opportunities that may arise prior to the completion of the merger. See the section entitled "The Merger Agreement Conduct of Businesses of Ultratech and Veeco Prior to Completion of the Merger" beginning on page 108 of this proxy statement/prospectus for a description of the restrictive covenants applicable to Ultratech.

The opinion of Ultratech's financial advisor does not reflect changes in circumstances that may occur between the original signing of the merger agreement and the completion of the merger.

Consistent with market practices, the Ultratech board has not obtained an updated opinion from its financial advisor as of the date of this proxy statement/prospectus and does not expect to receive an updated, revised or reaffirmed opinion prior to the completion of the merger. Changes in the

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operations and prospects of Ultratech, general market and economic conditions and other factors that may be beyond the control of Ultratech, and on which Ultratech's financial advisor's opinion was based, may significantly alter the value of Ultratech or the price of shares or Ultratech common stock by the time the merger is completed. The opinion does not speak as of the time the merger will be completed or as of any date other than the date of such opinion. Because Ultratech's financial advisor will not be updating its opinion, the opinion will not address the fairness of the merger consideration from a financial point of view at the time the merger is completed. The Ultratech board's recommendation that Ultratech stockholders vote "FOR" the Merger Proposal, however, is made as of the date of this proxy statement/prospectus. For a description of the opinion that the Ultratech board received from its financial advisor, see the section entitled "The Merger Opinion of Ultratech's Financial Advisor" beginning on page 75 of this proxy statement/prospectus.

The merger will involve substantial costs.

Veeco and Ultratech have incurred, and expect to continue to incur, substantial non-recurring costs associated with the merger and combining the operations of the two companies. The substantial majority of non-recurring expenses will be comprised of transaction costs related to the merger.

Veeco also will incur transaction fees and costs related to formulating and implementing integration plans, including technology platforms, sourcing operations and supply chain operations. Veeco continues to assess the magnitude of these costs, and additional unanticipated costs may be incurred in the merger and the integration of the two companies' businesses. Although Veeco expects that the elimination of duplicative costs, as well as the realization of other efficiencies related to the integration of the businesses, should allow Veeco to offset integration-related costs over time, this net benefit may not be achieved in the near term, or at all. See the risk factor entitled "If the merger is consummated, Veeco may not be able to successfully integrate the business of Ultratech with its own or realize the anticipated benefits of the merger" below.

The unaudited pro forma condensed combined financial statements included in this document are preliminary and the actual financial condition and results of operations after the merger may differ materially.

The unaudited pro forma condensed combined financial statements in this document are presented for illustrative purposes only and are not necessarily indicative of what Veeco's actual financial condition or results of operations would have been had the merger been completed on the dates indicated. The unaudited pro forma condensed combined financial statements reflect adjustments, which are based upon assumptions and preliminary estimates, to record the Ultratech's identifiable assets acquired and liabilities assumed at fair value and the resulting goodwill recognized. The purchase price allocation reflected in this document is preliminary, and final allocation of the purchase price will be based upon the actual purchase price and the fair value of the assets and liabilities of Ultratech as of the date of the completion of the merger. Accordingly, the final acquisition accounting adjustments may differ materially from the pro forma adjustments reflected in this document. For more information, see the sections entitled "Summary Unaudited Pro Forma Condensed Combined Financial Statements" and "Unaudited Pro Forma Condensed Combined Financial Statements" of this proxy statement/prospectus.

Ultratech stockholders have appraisal rights under Delaware law.

Under Delaware law holders of Ultratech common stock who (1) do not vote in favor of the Merger Proposal, (2) deliver to Ultratech a written demand for appraisal prior to the date of the Ultratech special meeting, (3) continuously hold their shares of Ultratech common stock though the closing date and (4) otherwise comply with the requirements and procedures of Section 262 of the Delaware General Corporation Law (the "DGCL"), are entitled to exercise appraisal rights, which generally entitle stockholders to receive in lieu of the merger consideration a cash payment of an

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amount determined by the Court of Chancery of the State of Delaware (the "Court of Chancery") to be the fair value of their Ultratech common stock. The appraised value would be determined by the Court of Chancery and could be less than, the same as or more than the merger consideration. Under Delaware law, stockholders are generally entitled to statutory interest on an appraisal award at a rate equal to 5% above the Federal Reserve discount rate compounded quarterly from the closing date until the award is actually paid. Stockholders who have properly demanded appraisal rights must file a petition for appraisal with the Court of Chancery within 120 days after the effective date of the merger. Should a material number of Ultratech's stockholders exercise appraisal rights and should the Court determine that the fair value of such shares of Ultratech common stock is materially greater than the merger consideration, it could have a material adverse effect on the financial condition and results of operation of the surviving corporation. A summary description of the appraisal rights available to holders of Ultratech common stock under the DGCL and the procedures required to exercise statutory appraisal rights are included under the section entitled "The Merger Appraisal Rights" beginning on page 95 of this proxy statement/prospectus. The full text of Section 262 of the DGCL is attached as Annex C to this proxy statement/prospectus. Due to the complexity of the procedures described above, Ultratech stockholders who are considering exercising such rights are encouraged to seek the advice of legal counsel.

After the merger, Ultratech stockholders will have a significantly lower ownership and voting interest in Veeco than they currently have in Ultratech, and will exercise less influence over management.

Based on the number of shares of Ultratech common stock outstanding as of April 17, 2017, and the number of shares of Veeco common stock outstanding as of April 17, 2017, it is expected that, immediately after completion of the merger, former Ultratech stockholders will own approximately 15% of the outstanding shares of Veeco common stock. Consequently, Ultratech stockholders will have substantially less influence over the management and policies of Veeco than they currently have over Ultratech.

Some of the executive officers and directors of Ultratech have interests in seeing the merger completed that are different from, or in addition to, those of the other Ultratech stockholders. Therefore, some of the executive officers and directors of Ultratech may have a conflict of interest in recommending the proposals being voted on at the special meeting.

Certain of the executive officers of Ultratech have arrangements that provide them with interests in the merger that are different from, or in addition to, those of stockholders of Ultratech generally. These interests include, among others, the possible continued employment of certain executive officers, the acceleration of vesting of certain equity-based awards (which awards might not otherwise ever vest), enhanced severance payments and/or benefits, and/or continuation of certain indemnification insurance in connection with the merger. These interests may influence Ultratech's executive officers to support or approve the proposals to be presented at the special meeting.

In addition, certain directors of Ultratech have interests in the merger that are different from, or in addition to, those of stockholders of Ultratech generally, including, the acceleration of vesting of certain equity-based awards (which awards might not otherwise ever vest). These interests may influence the directors of Ultratech to support or approve the proposals to be presented at the special meeting.

See the section entitled "The Merger Interests of Ultratech's Directors and Executive Officers in the Merger" beginning on page 88 of this proxy statement/prospectus for a more detailed description of these interests.

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The shares of Veeco common stock to be received by Ultratech stockholders as a result of the merger will have different rights from the shares of Ultratech common stock.

Upon completion of the merger, Ultratech stockholders will become stockholders of Veeco and their rights as stockholders will be governed by the Veeco charter and the Veeco bylaws. The rights associated with Ultratech common stock are different from the rights associated with shares of Veeco common stock. See the section entitled "Comparison of Stockholders' Rights" beginning on page 135 of this proxy statement/prospectus.

Risk Factors Related to Veeco Following the Merger

If the merger is consummated, Veeco may not be able to successfully integrate the business of Ultratech with its own or realize the anticipated benefits of the merger.

The merger involves the combination of two companies that currently operate as independent public companies. The combined company will be required to devote significant management attention and resources to integrating Veeco's business practices with those of Ultratech. Potential difficulties that the combined company may encounter as part of the integration process include the following:

the inability to successfully combine Veeco's business with Ultratech in a manner that permits the combined company to achieve the full revenue and cost synergies and other benefits anticipated to result from the merger;

the loss of customers and strategic partners who may not wish to continue their relationships with the combined company;

required regulatory approvals from governmental entities may result in limitations, additional costs or placement of restrictions on the conduct of the combined company, imposition of additional material costs on or materially limiting the revenues of the combined company following the merger;

complexities associated with managing the combined businesses, including difficulty addressing possible differences in corporate cultures and management philosophies and the challenge of integrating complex systems, technology, networks and other assets of each of the companies in a seamless manner that minimizes any adverse impact on customers, suppliers, employees and other business partners; and

potential unknown liabilities and unforeseen increased expenses or delays associated with the merger.

In addition, Veeco has operated and, until the completion of the merger will continue to operate, independently. It is possible that the integration process could result in the diversion of the attention of Veeco's management and the disruption of, or the loss of momentum in, its ongoing business. These and other factors could adversely affect Veeco's ability to maintain relationships with customers, suppliers, employees and other partners, and its ability to achieve the anticipated benefits of the merger.

The combined company's actual financial position and results of operations may differ materially from the unaudited pro forma financial information included in this proxy statement/prospectus.

The unaudited pro forma financial information contained in this proxy statement/prospectus is presented for illustrative purposes only and is not necessarily indicative of the operating results or financial position that would have occurred if the transactions had been consummated at the beginning of the earliest period presented, nor is it necessarily indicative of future operating results or financial position of the combined company. In particular, the unaudited pro forma financial information was prepared under one set of assumptions, does not reflect the benefits of expected cost savings (or

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associated costs to achieve such savings), opportunities to earn additional revenue, or other factors that may result as a consequence of the merger, and does not attempt to predict or suggest future results. The unaudited pro forma financial information has been derived from the audited and unaudited historical financial statements of Veeco and Ultratech, and certain adjustments, estimates and assumptions have been made regarding the combined company after giving effect to the merger.

Furthermore, the process of preparing the unaudited pro forma financial information required management of Veeco and Ultratech to make certain assumptions and estimates, which may prove to be incorrect as additional information becomes available and as additional analyses are performed, and other factors may affect the combined company's financial condition or results of operations following the closing of the merger. Any material variances between the preliminary estimates used in the preparation of the unaudited pro forma financial information and the final acquisition accounting could have a material adverse impact on the unaudited pro forma financial information and the combined company's financial position and future results of operations, which could have a material adverse effect on the market price of the combined company's common stock. See "Unaudited Pro Forma Condensed Combined Financial Information" beginning on page 21 of this proxy statement/prospectus.

Other Risk Factors of Veeco and Ultratech

Veeco's and Ultratech's businesses are and will be subject to the risks described above. In addition, Veeco and Ultratech are, and will continue to be, subject to the risks described in Veeco's Annual Report on Form 10-K for the fiscal year ended December 31, 2016, and Ultratech's Annual Report on Form 10-K for the fiscal year ended December 31, 2016, as amended and as updated by subsequent Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, all of which are, or will be, filed with the SEC and incorporated by reference into this proxy statement/prospectus. See the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus for the location of information incorporated by reference in this proxy statement/prospectus.

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SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This proxy statement/prospectus contains forward-looking statements that involve risks and uncertainties concerning Veeco's proposed acquisition of Ultratech's and Veeco 's expected financial performance, as well as Ultratech's and Veeco's strategic and operational plans. Actual events or results may differ materially from those described in this proxy statement/prospectus due to a number of risks and uncertainties. The potential risks and uncertainties include, among others, the possibility that Ultratech may be unable to obtain required stockholder approval or that other conditions to closing the transaction may not be satisfied, such that the transaction will not close or that the closing may be delayed; the reaction of customers to the transaction; general economic conditions; the transaction may involve unexpected costs, liabilities or delays; risks that the transaction disrupts current plans and operations of the parties to the transaction; the ability to recognize the benefits of the transaction; the amount of the costs, fees, expenses and charges related to the transaction and the actual terms of any financings that will be obtained for the transaction; the outcome of any legal proceedings related to the transaction; the occurrence of any event, change or other circumstances that could give rise to the termination of the transaction agreement. In addition, please refer to the documents that Veeco and Ultratech file with the SEC on Forms 10-K, 10-Q and 8-K. The filings by Veeco and Ultratech identify and address other important factors that could cause its financial and operational results to differ materially from those contained in the forward-looking statements set forth in this proxy statement/prospectus. All forward-looking statements speak only as of the date of this proxy statement/prospectus or, in the case of any document incorporated by reference, the date of that document. Neither Veeco nor Ultratech is under any duty to update any of the forward-looking statements after the date of this proxy

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THE ULTRATECH SPECIAL MEETING

Date, Time and Location

The special meeting of Ultratech stockholders will be held on May 25, 2017 at 2:00 p.m., local time, at the offices of O'Melveny & Myers LLP, located at 2765 Sand Hill Road, Menlo Park, California 94025.

Purpose

At the special meeting, holders of Ultratech common stock as of the record date will be asked to consider and approve the following proposals:

- 1. *The Merger Proposal:* The proposal to adopt the merger agreement, which provides for the merger of Merger Subsidiary with and into Ultratech, with Ultratech surviving the merger as a wholly owned subsidiary of Veeco.
- 2. *The Compensation Proposal:* The proposal to approve, on a non-binding, advisory basis, the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger.
- 3. *The Adjournment Proposal:* The proposal to approve the adjournment of the special meeting, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes at the time of the special meeting to approve the Merger Proposal.

The approval of the Merger Proposal by Ultratech stockholders is a condition to the obligations of Veeco and Ultratech to complete the merger. The approval, on a non-binding, advisory basis, of the Compensation Proposal is not a condition to the obligations of Veeco or Ultratech to complete the merger. The approval of the Adjournment Proposal also is not a condition to the obligation of Veeco or Ultratech to complete the merger.

Ultratech will transact no other business at the special meeting, except for business properly brought before the special meeting or any adjournment or postponement.

Recommendation of the Ultratech Board

The Ultratech board unanimously (1) determined that the merger agreement and the transactions contemplated thereby are fair to and in the best interests of Ultratech's stockholders, (2) approved and declared advisable the merger agreement and the transactions contemplated thereby, (3) resolved, subject to section 6.03 of the merger agreement, to recommend adoption of the merger agreement by Ultratech's stockholders, all upon the terms and subject to the conditions set forth therein, and (4) resolved that, subject to section 6.03 of the merger agreement, it will advise Ultratech's stockholders of its recommendation to adopt the merger agreement in accordance with the terms of the merger agreement and to include such recommendation in this proxy statement/prospectus.

Accordingly, the Ultratech board recommends that Ultratech stockholders vote:

- 1. "FOR" Proposal 1 to approve the Merger Proposal;
- 2. "FOR" Proposal 2 to approve the Compensation Proposal; and
- 3. "FOR" Proposal 3 to approve the Adjournment Proposal.

Record Date and Quorum

The Ultratech board has fixed the close of business on April 20, 2017 as the record date. Stockholders of record as of the record date are entitled to notice of and to vote at the special meeting. As of the close of business on the record date, 27,242,013 shares of Ultratech common stock

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were issued and outstanding and there were 166 holders of record of Ultratech common stock. Each stockholder is entitled to one vote for each share of Ultratech common stock held by such stockholder as of the record date.

Holders of a majority of the outstanding shares of Ultratech common stock entitled to vote as of the record date must be present in person or represented by proxy at the special meeting in order to have the required quorum for transacting business. Abstentions are counted as present for purposes of determining the presence or absence of a quorum for the transaction of business. Broker non-votes are not entitled to vote and, therefore, are not included for purposes of determining whether a quorum is present at the special meeting.

If you sell or transfer your shares of Ultratech common stock after the record date but before the special meeting, you will retain your right to vote such shares of Ultratech common stock at the special meeting unless you have transferred these rights via proxy to the acquirer of your shares. You are urged to vote by completing, signing, dating and mailing the enclosed proxy card in the envelope provided, or by Internet or telephone by following the instructions on the enclosed proxy card. If your shares of Ultratech common stock are held in the name of your broker, bank or other nominee, you should submit voting instructions to your broker, bank or other nominee. Please refer to the voting instruction card included in these proxy materials by your broker, bank or other nominee.

Required Vote

The affirmative vote, in person or by proxy, of holders of a majority of the outstanding shares of Ultratech common stock entitled to vote as of the record date is required to approve the Merger Proposal (Proposal 1). The affirmative vote, in person or by proxy, of the holders of a majority of the shares of Ultratech common stock present in person or represented by proxy at the special meeting and entitled to vote on the matter is required to approve the Compensation Proposal (Proposal 2) and to approve the Adjournment Proposal (Proposal 3).

Votes may be cast in favor of, or against, each matter. You may also vote "ABSTAIN" with respect to any matter and such abstentions will be treated as shares present in person or represented by proxy and entitled to vote on that matter and thus will have the same effect as votes against the proposals.

If your shares of Ultratech common stock are held by a broker, bank or other nominee, such broker, bank or other nominee is only entitled to vote your shares on routine matters, such as the ratification of the appointment of an independent registered public accounting firm, without instructions from you, the beneficial owner of those shares. Your broker, bank or other nominee is not entitled to vote shares held for a beneficial owner on non-routine matters, such as approval of the Merger Proposal, approval, on a non-binding, advisory basis, of the Compensation Proposal, and approval of the Adjournment Proposal. Consequently, if you do not give your broker, bank or other nominee specific instructions, your shares will not be voted at the special meeting. You are encouraged to provide instructions to your broker. This ensures your shares will be voted at the special meeting.

Failures to vote (whether by proxy or in person at the special meeting) and broker non-votes, if any, will have the same effect as a vote against the Merger Proposal. Failing to vote (whether by proxy or in person at the special meeting, if you do not attend the special meeting) and broker non-votes, if any, will have no effect on the outcome of the vote for the Compensation Proposal and the Adjournment Proposal, assuming a quorum is present. If you attend the special meeting and fail to vote, this will have the same effect as a vote against the Compensation Proposal and the Adjournment Proposal.

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Share Ownership and Voting by Ultratech Directors and Executive Officers

As of the record date, the directors and executive officers of Ultratech held and are entitled to vote, in the aggregate, approximately 3.4% of the aggregate voting power of the outstanding shares of Ultratech common stock.

Voting of Shares

For Stockholders of Record:

In addition to voting in person at the special meeting, if your shares of Ultratech common stock are held in your name by Ultratech's transfer agent as a stockholder of record, you, as an Ultratech stockholder, may submit a proxy as follows:

By Internet. The web address and instructions for Internet proxy submission can be found on the enclosed proxy card. You will be required to provide your assigned control number located on the proxy card. Internet proxy submission via the web address indicated on the enclosed proxy card is available 24 hours a day. If you choose to submit your proxy by Internet, then you do not need to return the proxy card. To be valid, your Internet proxy must be received by 11:59 p.m. (U.S. Eastern Time) on the day preceding the special meeting.

By Telephone. The toll-free number for telephone proxy submission can be found on the enclosed proxy card. You will be required to provide your assigned control number located on the proxy card. Telephone proxy submission is available 24 hours a day. If you choose to submit your proxy by telephone, then you do not need to return the proxy card. To be valid, your telephone proxy must be received by 11:59 p.m. (U.S. Eastern Time) on the day preceding the special meeting.

By Mail. Mark the enclosed proxy card, sign and date it, and return it in the pre-addressed postage-paid envelope provided with the enclosed proxy card, all in accordance with the instructions on the enclosed proxy card. To be valid, your proxy by mail must be received prior to the special meeting.

Ultratech requests that Ultratech stockholders submit their proxies over the Internet, by telephone or by completing and signing the accompanying proxy and returning it to Ultratech as soon as possible in the enclosed postage-paid envelope. When the accompanying proxy is returned properly executed (including proper proxy submission by Internet or telephone), the shares of Ultratech common stock represented by it will be voted at the special meeting in accordance with the instructions contained on the proxy card.

If you sign and return your proxy or voting instruction card without indicating how to vote on any particular proposal, the Ultratech common stock represented by your proxy will be voted "FOR" each proposal in accordance with the recommendation of the Ultratech board. Unless you check the box on your proxy card to withhold discretionary authority, the proxy holders may use their discretion to vote on the proposals relating to the special meeting.

If your shares of Ultratech common stock are held in "street name" by a broker, bank or other nominee, you should check the voting form used by that firm to determine whether you may give voting instructions by telephone or the Internet and you should read the information in the section entitled "Voting of Shares For Beneficial Owners" below.

EVERY ULTRATECH STOCKHOLDER'S VOTE IS IMPORTANT. ACCORDINGLY, EACH ULTRATECH STOCKHOLDER SHOULD SUBMIT ITS PROXY VIA THE INTERNET OR BY TELEPHONE, OR SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD, WHETHER OR NOT THE ULTRATECH STOCKHOLDER PLANS TO ATTEND THE SPECIAL MEETING IN PERSON.

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For Beneficial Owners:

If your shares of Ultratech common stock are held in "street name" by a broker, bank or other nominee, you have the right to direct your broker, bank or other nominee on how to vote your shares of Ultratech common stock. Your broker, bank or other nominee, as applicable, may establish an earlier deadline by which you must provide instructions to it for how to vote your shares of Ultratech common stock. You should read carefully the materials provided to you by your broker, bank or other nominee. Because a beneficial owner is not the stockholder of record, you may not vote these shares of Ultratech common stock at the special meeting unless you obtain a "legal proxy" from the broker, bank or other nominee that holds your shares of Ultratech common stock giving you the right to vote such shares of Ultratech common stock at the special meeting.

Revocation of Proxies

If you are a stockholder of record as of the record date, you may change your vote:

by delivering to Ultratech (Attention: Corporate Secretary, 3050 Zanker Road, San Jose, California 95134), prior to your shares being voted at the special meeting, a later dated written notice of revocation or a later dated duly executed proxy card, or

by attending the special meeting and voting in person (although attendance at the special meeting will not, by itself, revoke a proxy).

A stockholder of record who has voted on the Internet or by telephone may also change his or her vote by subsequently making a timely and valid Internet or telephone vote.

If you are a beneficial owner of shares held in "street name" by a broker, bank or other nominee, you may revoke your proxy and vote your shares in person at the special meeting only in accordance with applicable rules and procedures as employed by such broker, bank or other nominee. If your shares are held in an account at a broker, bank or other nominee, you should contact your broker, bank or other nominee to change your vote.

Solicitation of Proxies; Costs of Solicitation

Your proxy is being solicited by the Ultratech board on behalf of Ultratech. Ultratech will bear the entire cost of proxy solicitation, including preparation, assembly, printing and mailing of the notice of special meeting, proxy card, this proxy statement/prospectus and any additional materials furnished to Ultratech stockholders. Copies of these materials will be furnished to brokerage houses, fiduciaries, and custodians holding shares in their names that are beneficially owned by others to forward to those beneficial owners. In addition, Ultratech may reimburse the costs of forwarding these materials to those beneficial owners.

Solicitation of proxies by mail may be supplemented by one or more of telephone, email, facsimile, or personal solicitation by Ultratech's directors, officers, or regular employees. No additional compensation will be paid for such services.

Ultratech has engaged D.F. King & Co., Inc. to aid in the solicitation of proxies from brokers, bank nominees and other institutional owners for approximately \$10,000, plus reimbursement of related expenses.

Tabulation of Votes

All votes will be tabulated by a representative of D.F. King & Co., Inc., who will separately tabulate affirmative and negative votes, abstentions and broker non-votes. A representative of Ultratech will act as the inspector of election appointed for the special meeting.

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Adjournments and Postponements

In addition to the Merger Proposal and the Compensation Proposal, Ultratech stockholders are being asked to approve the Adjournment Proposal, which will give the Ultratech board authority to adjourn the special meeting one or more times, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes to approve the Merger Proposal at the time of the special meeting.

If this proposal is approved, the special meeting could be adjourned to any date. If the special meeting is adjourned, Ultratech stockholders who have already submitted their proxies will be able to revoke them at any time prior to their use. If you sign and return a proxy and do not indicate how you wish to vote on any proposal, or if you indicate that you wish to vote in favor of the Merger Proposal but do not indicate a choice on the Adjournment Proposal, your shares of Ultratech common stock will be voted "FOR" the Adjournment Proposal.

If a quorum is not present or represented at the special meeting, then either (1) the chairman of the meeting or (2) the Ultratech stockholders entitled to vote at the special meeting, present in person or represented by proxy, shall have power to adjourn the meeting. Whether or not a quorum is present at the special meeting, the chairman of the meeting shall have power to adjourn the special meeting from time to time to another time or place or means of remote communications, without notice other than announcement at the special meeting of the time and place, if any, and the means of remote communications, if any, by which Ultratech stockholders and proxy holders may be deemed to be present in person and vote at such adjourned meeting. When a special meeting is adjourned to another time and place, unless the Ultratech bylaws otherwise require, notice need not be given of the adjourned meeting if the time and place, if any, and the means of remote communications, if any, are announced at the special meeting at which the adjournment is taken. At the adjourned meeting, Ultratech may transact any business that might have been transacted at the original special meeting. If the adjournment is for more than 30 days, or if after the adjournment a new record date is fixed for the adjourned meeting, a notice of the adjourned meeting shall be given to each Ultratech stockholder of record entitled to vote at the meeting.

The chairman of the special meeting may adjourn the special meeting to, among other things, solicit additional proxies if there are not sufficient votes at the time of the special meeting to approve the Merger Proposal, allow reasonable additional time for the filing and distribution of any supplemental or amended disclosure to be disseminated to and reviewed by Ultratech stockholders prior to the special meeting, or otherwise with the consent, or upon the request, of Veeco.

The chairman of the special meeting may determine to adjourn the special meeting even if the Adjournment Proposal is not approved by Ultratech stockholders.

Additionally, the Ultratech board, acting pursuant to a resolution adopted by a majority of the total number of authorized directors, whether or not there exist any vacancies in previously authorized directorships, has the right to cancel, postpone or reschedule a special meeting of the stockholders at any time, before or after the notice for such meeting has been sent to the stockholders.

Attending the Special Meeting

Only Ultratech stockholders of record as of the close of business on the record date or their duly appointed proxies may attend the special meeting, or if your shares of Ultratech common stock are held in "street name" by a broker, bank or other nominee and you bring evidence of beneficial ownership of those shares on the record date, such as a copy of your most recent account statement or similar evidence of ownership of Ultratech common stock as of the record date, you may attend the special meeting. If your shares of Ultratech common stock are held in "street name" by a broker, bank or other nominee and you wish to vote at the special meeting, you must also bring a proxy from the record holder (your broker, bank or other nominee) of the shares of Ultratech common stock

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authorizing you to vote at the special meeting. All stockholders should bring photo identification (a driver's license or passport is preferred), as you will also be asked to provide photo identification at the registration desk on the day of the special meeting or any adjournment or postponement of the special meeting. Everyone who attends the special meeting must abide by the rules for the conduct of the meeting. These rules will be printed on the meeting agenda. Even if you plan to attend the special meeting, we encourage you to vote by telephone, Internet or mail so your vote will be counted if you later decide not to (or are otherwise unable to) attend the special meeting. No cameras, recording equipment, other electronic devices, large bags or packages will be permitted in the special meeting. Stockholders will be admitted to the meeting room starting at 1:45 p.m., local time, and admission will be on a first-come, first-served basis.

Assistance

If you need assistance in completing your proxy card, have questions about the merger, the special meeting, or the proposals to be considered at the special meeting, need additional copies of this document or need to obtain proxy cards or other information related to the proxy solicitation, please contact Ultratech's proxy solicitor, D.F. King & Co., Inc., at the following address and telephone number:

D.F. King & Co., Inc.
48 Wall Street, 22nd Floor
New York, NY 10005
Stockholders call toll-free: (800) 967-5085
Banks and Brokers call collect: (212) 269-5550

Email: ultratech@dfking.com

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PROPOSAL 1: THE MERGER PROPOSAL

As discussed throughout this proxy statement/prospectus, Ultratech is asking its stockholders to adopt the merger agreement. Pursuant to the merger agreement, Veeco will acquire Ultratech through a merger of Merger Subsidiary with and into Ultratech, with Ultratech as the surviving corporation. As a result of the merger, Ultratech will be a wholly owned subsidiary of Veeco and the Ultratech common stock will be delisted from Nasdaq, deregistered under the Exchange Act and cease to be publicly traded.

As described in further detail in the sections entitled "Questions and Answers" beginning on page v of this proxy statement/prospectus, "Summary" beginning on page 1 of this proxy statement/prospectus, "The Merger" beginning on page 56 of this proxy statement/prospectus and "The Merger Agreement" beginning on page 100 of this proxy statement/prospectus, the Ultratech board has adopted a resolution determining that the merger agreement and the transactions contemplated thereby are fair to and in the best interests of Ultratech's stockholders, approving and declaring advisable the merger agreement and the transactions contemplated thereby and recommending that (subject to Section 6.03 of the merger agreement) Ultratech's stockholders adopt the merger agreement. The merger is subject to the satisfaction of the conditions set forth in the merger agreement, including the adoption of the merger agreement by the stockholders of Ultratech at the special meeting. Accordingly, the approval of the Merger Proposal by Ultratech stockholders is a condition to the obligations of Veeco and Ultratech to complete the merger.

Required Vote

The affirmative vote, in person or by proxy, of the holders of a majority of the outstanding shares of Ultratech common stock entitled to vote as of the record date on the Merger Proposal at the special meeting is required to approve the Merger Proposal.

Recommendation of the Ultratech Board

The Ultratech board recommends that Ultratech stockholders vote "FOR" the Merger Proposal.

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PROPOSAL 2: THE COMPENSATION PROPOSAL

Ultratech is providing its stockholders with the opportunity to cast a vote, on a non-binding, advisory basis, to approve the compensation payments that will or may be made to Ultratech's named executive officers in connection with the merger as disclosed in the table (and related narrative disclosure) under the section entitled "The Merger Interests of Ultratech's Directors and Executive Officers in the Merger Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of this proxy statement, as required by Section 14A of the Exchange Act. The plans and arrangements under which these compensation payments may be made are part of Ultratech's compensation program for its named executive officers or are required by the merger agreement.

You should review carefully the information under the section entitled "The Merger Interests of Ultratech's Directors and Executive Officers in the Merger Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of this proxy statement.

The Ultratech board recommends that Ultratech stockholders approve the following resolution:

"RESOLVED, that the stockholders of Ultratech approve, solely on an advisory, non-binding basis, the compensation payments which will or may be made to Ultratech's named executive officers in connection with the merger, as disclosed pursuant to Item 402(t) of Regulation S-K in the section titled "The Merger Interests of Ultratech's Directors and Executive Officers in the Merger Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of Ultratech's proxy statement for the special meeting."

The vote on the Compensation Proposal is a vote separate and apart from the vote on the Merger Proposal. Accordingly, you may vote to approve the Merger Proposal and abstain or vote not to approve the Compensation Proposal. Because the vote on the Compensation Proposal is advisory only, it will not be binding on either Ultratech or Veeco. Accordingly, if the Merger Proposal is approved and the merger is completed, the compensation payments that are contractually required to be made to Ultratech's named executive officers will be made, subject only to the conditions applicable thereto, regardless of the outcome of the non-binding, advisory vote of Ultratech's stockholders.

Required Vote

The affirmative vote, in person or by proxy, of the holders of a majority of the shares of Ultratech common stock present in person or represented by proxy at the special meeting and entitled to vote at the special meeting is required to approve, on a non-binding, advisory basis, the Compensation Proposal.

Recommendation of the Ultratech Board

The Ultratech board recommends that Ultratech stockholders vote "FOR" the Compensation Proposal.

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PROPOSAL 3: THE ADJOURNMENT PROPOSAL

Ultratech stockholders are being asked to approve a proposal that will give the Ultratech board authority to adjourn the special meeting one or more times, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes to approve the Merger Proposal at the time of the special meeting.

If this proposal is approved, the special meeting could be adjourned to any date. If the special meeting is adjourned, Ultratech stockholders who have already submitted their proxies will be able to revoke them at any time prior to their use. If you sign and return a proxy and do not indicate how you wish to vote on any proposal, or if you indicate that you wish to vote in favor of the Merger Proposal but do not indicate a choice on the Adjournment Proposal, your shares of Ultratech common stock will be voted "FOR" the Adjournment Proposal.

If a quorum is not present or represented at the special meeting, then either (1) the chairman of the meeting or (2) by majority vote, the Ultratech stockholders entitled to vote at the special meeting, present in person or represented by proxy, shall have power to adjourn the meeting. Whether or not a quorum is present at the special meeting, the chairman of the meeting shall have power to adjourn the special meeting from time to time to another time or place or means of remote communications, without notice other than announcement at the special meeting of the time and place, if any, and the means of remote communications, if any, by which Ultratech stockholders and proxy holders may be deemed to be present in person and vote at such adjourned meeting. When a special meeting is adjourned to another time and place, unless the Amended and Restated Bylaws of Ultratech otherwise require, notice need not be given of the adjourned meeting if the time and place, if any, and the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such adjourned meeting are announced at the special meeting at which the adjournment is taken. At the adjourned meeting, Ultratech may transact any business that might have been transacted at the original special meeting. If the adjournment is for more than 30 days, or if after the adjournment a new record date is fixed for the adjourned meeting, a notice of the adjourned meeting shall be given to each Ultratech stockholder of record entitled to vote at the meeting.

The chairman of the special meeting may adjourn the special meeting to, among other things, solicit additional proxies if there are not sufficient votes at the time of the special meeting to approve the Merger Proposal, allow reasonable additional time for the filing and distribution of any supplemental or amended disclosure to be disseminated to and reviewed by Ultratech stockholders prior to the special meeting, or otherwise with the consent, or upon the request, of Veeco.

The chairman of the special meeting may determine to adjourn the special meeting even if the Adjournment Proposal is not approved by Ultratech stockholders.

Additionally, the Ultratech board, acting pursuant to a resolution adopted by a majority of the total number of authorized directors, whether or not there exist any vacancies in previously authorized directorships, has the right to cancel, postpone or reschedule a special meeting of the stockholders at any time, before or after the notice for such meeting has been sent to the stockholders.

Required Vote

The affirmative vote, in person or by proxy, of the holders of a majority of the shares of Ultratech common stock present in person or represented by proxy at the special meeting and entitled to vote on the Adjournment Proposal at the special meeting is required to approve the adjournment of the special meeting, if necessary or appropriate, to solicit additional proxies if there are not sufficient votes at the time of the special meeting to approve the Merger Proposal.

Recommendation of the Ultratech Board

The Ultratech board recommends that Ultratech stockholders vote "FOR" the Adjournment Proposal.

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THE MERGER

The following is a discussion of the merger and the material terms of the merger agreement between Veeco and Ultratech. You are urged to read the merger agreement carefully and in its entirety, a copy of which is attached as Annex A to this proxy statement/prospectus and incorporated by reference herein.

Effects of the Merger

Subject to the terms and conditions of the merger agreement, at the effective time, Merger Subsidiary will be merged with and into Ultratech, with Ultratech surviving the merger as a wholly owned subsidiary of Veeco.

In the merger, each outstanding share of Ultratech common stock (other than (i) shares of Ultratech common stock owned by Veeco or Merger Subsidiary and shares of treasury stock held by Ultratech, which will be canceled without consideration, (ii) shares of Ultratech stock held by any subsidiary of either Ultratech or Veeco, which will be converted into such number of shares of common stock of the surviving corporation such that each subsidiary owns the same percentage of the surviving corporation immediately following the effective time as such subsidiary owned of Ultratech immediately prior to the effective time such shares, together with the shares described in clause (i) are referred to as "excluded shares") and (iii) shares held by holders of Ultratech common stock, if any, who properly exercise their appraisal rights under the DGCL (which we refer to as "dissenting shares")) will be converted into the right to receive the merger consideration consisting of \$21.75 in cash, without interest, and 0.2675 of a share of Veeco common stock. If the aggregate consideration to be paid to any holder of Ultratech common stock would result in such holder receiving a fractional share of Veeco common stock, cash will be paid in lieu of such fractional share. Veeco stockholders will continue to hold their existing shares of Veeco common stock.

Based on 27,241,449 shares of Ultratech common stock issued and outstanding as of April 17, 2017, and 40,568,473 shares of Veeco common stock issued and outstanding as of April 17, 2017, it is expected that, immediately after completion of the merger, former Ultratech stockholders will own approximately 15% of the outstanding shares of Veeco common stock.

Background of the Merger

In pursuing Ultratech's objective of enhancing stockholder value, and as part of its ongoing review of strategic opportunities available to it, the Ultratech board periodically considers opportunities for a variety of strategic transactions that might enhance stockholder value, including potential acquisitions, business combinations and other strategic alliances.

On July 20, 2015, the Ultratech business development committee of the Ultratech board (which we refer to in this proxy statement/prospectus as the Ultratech business development committee), a standing committee of the Ultratech board, met with representatives of BofA Merrill Lynch and representatives of Ultratech's legal counsel, O'Melveny & Myers LLP ("O'Melveny & Myers"). At the request of the Ultratech business development committee, representatives of BofA Merrill Lynch reviewed merger and acquisition trends in the technology sector in general and in Ultratech's industry sector. The Ultratech business development committee then discussed with management developments in Ultratech's industry sector, the landscape of potential acquisition targets, and whether there were possible strategic transactions that Ultratech could pursue to benefit its stockholders. At that time, the members of the Ultratech business development committee were Michael Child, Dennis Raney and Henri Richard.

On August 4, 2015, Neuberger Berman Group LLC, a stockholder of Ultratech, on behalf of itself and other affiliated parties ("Neuberger"), sent Ultratech a letter stating, among other things, that it was disappointed with Ultratech's long-term stockholder value creation, and asked to engage Ultratech

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in a discussion that would include a review of the tenure of current Ultratech board members and establish a timeline for value creation and management succession. On August 11, 2015, Neuberger filed a Schedule 13D attaching the August 4, 2015 letter and disclosing a 6.68% beneficial ownership of the outstanding common stock of Ultratech. Neuberger and representatives of Ultratech communicated and met in the ensuing weeks and several months thereafter.

On September 28, 2015, Neuberger sent a second letter to Ultratech reiterating certain views from the August 4, 2015 letter and reserving its right to put forward candidates for the Ultratech board or stockholder proposals if progress on its demands was not made to its satisfaction.

On October 8, 2015, Arthur Zafiropoulo, Chairman and CEO of Ultratech, met with the Chairman of a potential strategic business combination partner (which we refer to as "Company A"), who suggested that Ultratech and Company A explore the possibility of a strategic business combination transaction, possibly involving another potential strategic business combination partner (which we refer to as "Company B"). Mr. Zafiropoulo periodically communicated with the Chairman of Company A through August of 2016.

On October 17, 2015, John Peeler, the Chairman and Chief Executive Officer of Veeco, sent Mr. Zafiropoulo an e-mail to inform Mr. Zafiropoulo that Mr. Peeler would be in Northern California during the week of November 8, 2015 and would be interested in meeting with Mr. Zafiropoulo.

On October 18, 2015, the Ultratech board met to review, among other things, industry developments and Ultratech's performance, including its financial and operating performance. Representatives of O'Melveny & Myers were present at the meeting. At that meeting, the Ultratech board discussed various strategic opportunities potentially available to Ultratech, including remaining independent, as well as Ultratech's short and long-term strategies for increasing stockholder value. Mr. Zafiropoulo discussed with the Ultratech board his meeting with the Chairman of Company A and the suggestion made by the Chairman of Company A regarding the exploration of a possible strategic business combination. The Ultratech board referred Mr. Zafiropoulo to the business development committee for further consideration of a possible strategic business combination with Company A.

On October 19, 2015, at a regularly scheduled meeting, the Ultratech business development committee considered whether Ultratech should explore a strategic business combination transaction with Company A. A representative of O'Melveny & Myers attended the meeting. Later that day and the following day, the Ultratech board continued its discussion of strategic opportunities after which the Ultratech board agreed to retain an investment bank to provide financial and valuation advice.

Throughout Ultratech's initial discussions with Company A and the later, broader strategic review process, the Ultratech business development committee held many meetings and also engaged in many informal conversations about Ultratech's strategic alternatives.

On or about October 20, 2015, Mr. Zafiropoulo made separate telephone calls to the President and CEO of Company A and to the Chairman and CEO of Company B to solicit interest in a possible three-way business combination transaction involving each of these companies. Both the President and CEO of Company A and the Chairman and CEO of Company B expressed that such a transaction would be difficult to achieve.

On or about November 7, 2015, Mr. Zafiropoulo, Bruce Wright, Chief Financial Officer and Senior Vice President, Finance of Ultratech, and the Chairman and the President and CEO of Company A met to discuss a possible business combination and shared information about their respective companies. At this meeting, the Chairman and the President and CEO of Company A suggested a merger of equals involving a premium of 10 to 15 percent on the common stock of Company A.

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On November 9, 2015, Mr. Zafiropoulo had a telephone conference with a member of the board of directors of Company B who expressed that Company B was not interested in pursuing the business combination transaction being suggested by Ultratech at that time.

On or about November 10, 2015, in response to the e-mail sent by Mr. Peeler to Mr. Zafiropoulo on October 17, 2015, Mr. Zafiropoulo met with Mr. Peeler in San Jose, CA. At the meeting, Messrs. Zafiropoulo and Peeler exchanged views about their respective companies and the semiconductor capital equipment industry generally.

On November 17, 2015, the Ultratech board held a special telephonic meeting. The meeting was attended by a financial advisory firm (which was not BofA Merrill Lynch). Representatives of the financial advisory firm provided a comprehensive report on industry trends, Wall Street perspectives on Ultratech and preliminary perspectives on Ultratech's valuation (including, without limitation, on a stand-alone basis remaining independent and on a change of control basis). Representatives of O'Melveny & Myers also attended the meeting. After the financial advisory firm's presentation, and departure from the meeting, the Ultratech board discussed various strategic alternatives, and Mr. Zafiropoulo provided an update on recent preliminary conversations with potential strategic partners and discussed the terms of a possible engagement with the financial advisory firm.

On November 23, 2015, the Ultratech board held a special telephonic meeting to discuss various strategic matters, including a potential business combination with respect to Company A. A representative of O'Melveny & Myers attended the meeting. The Ultratech board authorized the retention of a financial advisory firm to assist in evaluating a potential strategic transaction involving Company A and delegated the review and approval of the terms of the engagement with the financial advisory firm that had attended the November 17, 2015 meeting of the Ultratech board, including the investment banking fee agreement, to the Ultratech business development committee.

On December 7, 2015, Ultratech and Company A entered into a mutual non-disclosure agreement. The non-disclosure agreement contained a customary standstill provision that would terminate automatically upon certain events, including in the event that Ultratech entered into a definitive agreement for the acquisition of 50% or more of its outstanding voting securities.

On December 17, 2015, the Ultratech business development committee held a meeting and reviewed and approved the engagement letter with the financial advisory firm for the limited purpose of the proposed strategic combination with Company A and authorized Messrs. Zafiropoulo and Wright to execute such letter agreement. Mr. Zafiropoulo provided the Ultratech business development committee with an update on the status of the potential transaction. Representatives from O'Melveny & Myers then provided the Ultratech business development committee with a presentation on directors' fiduciary duties under applicable law, including applicable legal standards in connection with a potential strategic transaction, and also reviewed with the committee certain high level structures and terms for transactions in the sector. The members of the Ultratech business development committee discussed with management their views on a potential strategic business combination transaction with Company A as well as next steps. Ultratech entered into the engagement letter with the financial advisory firm with respect to a potential strategic business combination with Company A, which subsequently terminated in December 2016 in accordance with its terms (with a tail fee payable to the financial advisory firm under certain circumstances if Ultratech were to complete an acquisition of Company A pursuant to an agreement entered into within 12 months of such termination).

On December 22, 2015, Messrs. Zafiropoulo and Wright met with the Chairman, the President and CEO and the CFO of Company A to discuss the respective businesses of Ultratech and Company A and a potential transaction. The representatives of Company A provided the representatives of Ultratech with certain prospective financial information and forecasts regarding Company A. The representatives of Ultratech provided the representatives of Company A with certain prospective financial information regarding Ultratech.

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On December 23, 2015, certain members of the Ultratech board held a conference call to discuss the status of discussions with Company A.

Between the end of December 2015 and early March 2016, representatives of Ultratech, Company A and their respective financial advisors had periodic conversations and exchanged information about their respective companies.

On January 19, 2016, Mr. Child shared the financial advisory firm's written report, including its preliminary analysis of the proposed transaction with Company A, with the Ultratech business development committee.

On February 1, 2016, the Ultratech business development committee held a regular quarterly meeting and invited representatives of BofA Merrill Lynch, which had not previously been involved in the discussions among Ultratech, Company A and Company B, to attend. Representatives of O'Melveny & Myers also attended the meeting. At the request of the Ultratech business development committee, representatives of BofA Merrill Lynch reviewed merger and acquisition activity in the semiconductor industry and the semiconductor capital equipment sector. The Ultratech business development committee discussed the information reviewed by representatives of BofA Merrill Lynch, as well as market developments and possible strategic opportunities for Ultratech. In addition, the Ultratech business development committee discussed with Mr. Zafiropoulo the status of discussions with Company A and directors expressed their views that a transaction with Company A would not be attractive with the premium being proposed by Company A.

On February 2, 2016, the Ultratech board held a regularly scheduled meeting. Representatives of O'Melveny & Myers attended the meeting. At the meeting, members of Ultratech management updated the Ultratech board on the status of discussions with Company A and various other strategic alternatives. Following that meeting, the Ultratech board requested that Mr. Zafiropoulo contact representatives of BofA Merrill Lynch and instruct them to prepare a list of parties that may potentially participate in a bidding process for Ultratech, which Mr. Zafiropoulo did.

On February 4, 2016, Ultratech issued a press release announcing its results for fiscal year 2015. The press release included a statement that, as part of Ultratech's continued focus on increasing stockholder value, it was in the process of identifying candidates to replace one or more members of or to augment the Ultratech board.

On February 12, 2016, representatives of each of Ultratech and Company A met and gave management presentations on their respective companies, each with their respective financial advisors in attendance.

On February 24, 2016, the Ultratech board held a special telephonic meeting. Representatives of O'Melveny & Myers attended the meeting. Mr. Zafiropoulo provided an update on the status of discussions with Company A.

On March 4, 2016, Neuberger sent another letter to Mr. Zafiropoulo and Rick Timmins, a member of the Ultratech board and its then lead independent director, which, among other things, provided the names and biographies of two potential director candidates, Ronald Black and Beatriz V. Infante. On March 9, 2016, Neuberger filed with the SEC an amendment to its previously filed Schedule 13D attaching the March 4, 2016 letter and disclosing beneficial ownership of 7.55% of the outstanding Ultratech common stock.

On March 8, 2016, Mr. Zafiropoulo met with a director of Company B and discussed their respective companies.

On March 25, 2016, members of the Ultratech business development committee met and discussed possible strategic opportunities, including the status of discussions with Company A and Company B, and market developments.

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On April 5, 2016, the Ultratech board met to review, among other things, steps that could be taken toward a possible strategic transaction, recent industry developments and Ultratech's strategy, including the preliminary information reviewed by representatives of BofA Merrill Lynch. Representatives of O'Melveny & Myers attended the meeting.

On April 18, 2016, the Ultratech business development committee held a regular meeting, at which it discussed possible strategic opportunities, including the status of discussions with Company A and Company B, and market developments. A representative of O'Melveny & Myers attended the meeting.

On April 19, 2016, the Ultratech board held a regular meeting. Representatives of O'Melveny & Myers attended the meeting. At the meeting, the board received the report of the Ultratech business development committee including its discussion of Ultratech's strategic review process. Following that meeting, the Ultratech board requested that Mr. Zafiropoulo contact representatives of BofA Merrill Lynch and instruct them to begin an initial outreach to potential strategic acquirers and financial sponsors in Asia. The Ultratech board determined to start its outreach with prospects in Asia, then move on to prospects in Europe and the Middle East before finally moving on to prospects in the United States, because of the amount of time it was expected that potential bidders in each region would be expected to take to submit bids and a desire to be able to run simultaneous bidding processes to the extent possible with the goal of achieving competition among bidders.

On April 21, 2016, Neuberger submitted a notice to Ultratech nominating Dr. Black and Ms. Infante for election to the Ultratech board at Ultratech's 2016 annual meeting of stockholders. The next day, Ultratech issued a press release responding to Neuberger's nomination. The press release also stated that, as part of Ultratech's continuing focus on increasing stockholder value, Ultratech was in the final stages of selecting a director candidate with relevant experience in the semiconductor capital equipment industry and related industries and/or operational experience with Ultratech's key customers.

On April 22, 2016, Neuberger filed with the SEC an amendment to its previously filed Schedule 13D attaching its nomination notice and disclosing beneficial ownership of 7.68% of the outstanding Ultratech common stock.

Beginning in late April 2016, at the direction of representatives of Ultratech, representatives of BofA Merrill Lynch began contacting potential strategic acquirers and financial sponsors in Asia. In total, representatives of BofA Merrill Lynch contacted 12 prospective acquirers in Asia at or around this time, five of which were strategic acquirers and seven of which were financial sponsors.

Between May 2016 and Ultratech's annual stockholder meeting on July 19, 2016, representatives of Ultratech continued to have discussions with representatives of Neuberger regarding its nomination notice and the election of directors to Ultratech's board.

At a meeting held on May 12, 2016, the Ultratech board discussed entering into an engagement letter with BofA Merrill Lynch. Representatives of O'Melveny & Myers attended the meeting.

Beginning on May 20, 2016, Mr. Zafiropoulo held meetings with various potential strategic acquirers and financial sponsors in Asia. These meetings included, among other things, discussions about the potential sale of Ultratech. In total, Mr. Zafiropoulo met with 10 such prospective acquirers, five of which were potential strategic acquirers (including a potential strategic acquirer that we refer to as "Company C") and five of which were financial sponsors (including potential financial sponsors that we refer to as "Sponsor A," "Sponsor B," and "Sponsor C"). Messrs. Zafiropoulo and Timmins discussed the status of the Asia meetings as well as representatives of BofA Merrill Lynch's review of a potential strategic transaction with companies in Asia.

On May 27, 2016, Neuberger filed a preliminary proxy statement with the SEC (which it filed in final form on June 13, 2016) related to its nomination of Dr. Black and Ms. Infante for election to the Ultratech board.

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On June 3, 2016, Ultratech filed a current report on Form 8-K with the SEC disclosing that Mr. Joel F. Gemunder had notified the Ultratech board that he would not stand for re-election as a director at Ultratech's 2016 annual meeting of stockholders.

On June 6, 2016, Ultratech filed a preliminary proxy statement with the SEC (which it filed in final form on June 13, 2016) related to its nomination of six incumbent directors and one new director nominee, Dr. Paramesh Gopi, for election to the Ultratech board.

During the week of June 6, 2016, Mr. Child, on behalf of the Ultratech board, discussed with representatives of BofA Merrill Lynch the terms of its engagement letter with Ultratech. On June 9, 2016, the Ultratech business development committee held a conference call to discuss the terms of the engagement letter with BofA Merrill Lynch. Messrs. Child and Timmins updated the Ultratech board on the status of the discussions with BofA Merrill Lynch, and the Ultratech board approved the final terms of the engagement letter. On June 13, 2016, Ultratech signed an engagement letter with BofA Merrill Lynch.

From June 10 to August 3, 2016, Ultratech sent, negotiated and executed non-disclosure agreements with Company C, Sponsor B, Sponsor C and Sponsor D (as defined below). The non-disclosure agreements contained customary standstill provisions that would terminate automatically upon certain events, including in the event that Ultratech entered into a definitive agreement for the acquisition of 50% or more of its outstanding voting securities.

On June 15, 2016, at the direction of Ultratech, representatives of BofA Merrill Lynch contacted an additional potential strategic acquirer in Asia. On June 24, 2016, that strategic acquirer indicated that it had no interest in pursuing a potential acquisition.

On July 8, 2016, the Ultratech board held a special telephonic meeting to review certain corporate matters, including Ultratech's standalone strategic plan and the status of the strategic review process. Representatives of O'Melveny & Myers attended the meeting.

In July 2016, Mr. Zafiropoulo informed the Chairman of Company A that Ultratech did not desire to continue discussions concerning a strategic transaction with Company A at the present time.

On July 13, 2016, at the direction of representatives of Ultratech, representatives of BofA Merrill Lynch contacted an additional potential financial sponsor in Asia (which we refer to as "Sponsor D").

On July 17, 2016, the Ultratech board held a special meeting. Representatives of O'Melveny & Myers attended the meeting. At that meeting, Mr. Zafiropoulo was appointed a member of the business development committee. In addition, the Ultratech board discussed various available strategic business combination opportunities as well as the option of remaining independent and executing its strategic plan and the risks attendant to that plan. The Ultratech board also discussed Ultratech's short and long term strategies for increasing stockholder value.

On July 18, 2016, the Ultratech business development committee held a regular meeting. Representatives of O'Melveny & Myers attended the meeting. At the meeting, the Ultratech business development committee discussed merger and acquisition activity in the industry. Mr. Zafiropoulo provided an update on discussions with the parties that had entered into non-disclosure agreements and his perspective on other possible bidders.

On July 19, 2016, the Ultratech board held a regular meeting. Representatives of O'Melveny & Myers and representatives of BofA Merrill Lynch attended the meeting. At the request of the Ultratech board, representatives of BofA Merrill Lynch provided an update on merger and acquisition activity in the semiconductor industry and the strategic review process. The Ultratech business development committee also gave a report on the topics discussed at its meeting on July 18, 2016.

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On July 19, 2016, Dr. Black and Ms. Infante were elected to Ultratech's board along with Mr. Zafiropoulo, Mr. Child, Dr. Gopi, Mr. Raney, and Mr. Richard.

From August 3 to August 14, 2016, Ultratech held management presentations for Company C, Sponsor A, Sponsor B, Sponsor C and Sponsor D, with representatives of BofA Merrill Lynch in attendance. Each of these parties was provided a copy of the Ultratech management presentation, which contained information regarding Ultratech's business and results of operations and potential transaction synergies as well as preliminary financial projections with respect to fiscal years 2016 through 2018. During this period and thereafter, Ultratech's management responded to due diligence inquiries and engaged in numerous discussions and meetings with these parties concerning their interest in pursuing an acquisition of, or a strategic partnership with, Ultratech. At the direction of representatives of Ultratech, representatives of BofA Merrill Lynch requested that each of these parties submit a written indication of interest to Ultratech. None of these parties ever submitted a written indication of interest to Ultratech.

On August 9, 2016, members of the Ultratech business development committee held a conference call with representatives of BofA Merrill Lynch to discuss recent events and provide an update on the strategic review process.

On August 19, 2016, at the request of the Ultratech board, representatives of BofA Merrill Lynch began contacting potential strategic acquirers in Europe and the Middle East. In total, representatives of BofA Merrill Lynch contacted four such potential strategic acquirers.

Also on August 19, 2016, the Chairman of Company A e-mailed Mr. Zafiropoulo to explore resuming discussions. Based on previous discussions between Ultratech and Company A and the status of the strategic review process, Ultratech determined it would not pursue further discussions with Company A at this time.

Beginning on August 22, 2016, at the direction of representatives of Ultratech, representatives of BofA Merrill Lynch sent non-disclosure agreements to those four potential strategic acquirers in Europe and the Middle East. None of the four parties chose to enter into a non-disclosure agreement or continue in the process. One of these parties expressed an interest in purchasing selected assets of Ultratech.

On or about August 23, 2016 and September 6, 2016, members of the Ultratech business development committee held conference calls with representatives of BofA Merrill Lynch to discuss recent events and process updates.

Also in August 2016, representatives of Ultratech provided representatives of BofA Merrill Lynch with management projections for Ultratech with respect to fiscal years 2016 through 2018. Subsequently, in November 2016, representatives of Ultratech provided representatives of BofA Merrill Lynch with updated management projections for Ultratech with respect to fiscal years 2016 through 2018. As compared to the Ultratech management projections that were provided to representatives of BofA Merrill Lynch in August 2016, the Ultratech management projections that were provided to representatives of BofA Merrill Lynch in November 2016, among other changes, adjusted fiscal year 2016 to reflect the results of the most recent quarter and reduced forecasts with respect to fiscal year 2017 based on management's judgment and the results of the most recent fiscal quarter.

On or about September 12, 2016, Sponsor A declined to continue in the process but indicated that they would be open to financing an acquisition by a strategic acquirer.

On September 13, 2016, at the direction of the Ultratech board, representatives of BofA Merrill Lynch contacted an additional financial sponsor in Asia, which subsequently indicated it was not interested in acquiring Ultratech but would be open to financing an acquisition by a strategic acquirer.

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On September 17, 2016, the Ultratech business development committee held a special telephonic meeting at which Mr. Zafiropoulo gave an update on the strategic review process.

On September 21, 2016, the Ultratech board held a special telephonic meeting, with representatives of BofA Merrill Lynch in attendance. The Ultratech board discussed with Ultratech management and representatives of BofA Merrill Lynch the management meetings that had been completed by that date with interested parties and the additional meetings that had been scheduled with other interested parties. The Ultratech board also discussed with Ultratech management and representatives of BofA Merrill Lynch potential strategic alternatives available to Ultratech, recent mergers and acquisitions in the technology industry, recent industry consolidation, recent semiconductor equipment deal activity and Ultratech's financial performance and prospects and stock trend. During this meeting, the Ultratech board requested that representatives of BofA Merrill Lynch reach out to an additional potential financial sponsor in the United States ("Sponsor E"), which representatives of BofA Merrill Lynch contacted shortly thereafter.

On September 30, 2016, in connection with an unrelated meeting, Mr. Zafiropoulo met briefly with Mr. Richard D'Amore, a member of Veeco's board of directors. At that meeting, Mr. Zafiropoulo mentioned Ultratech's strategic review process and inquired into the possibility of Veeco participating.

On October 3, 2016, Ultratech entered into a non-disclosure agreement with Sponsor E. The non-disclosure agreement contained a customary standstill provision that would terminate automatically upon certain events, including in the event that Ultratech entered into a definitive agreement for the acquisition of 50% or more of its outstanding voting securities.

On October 4, 2016, representatives of Ultratech held a management presentation with Sponsor E, with representatives of BofA Merrill Lynch in attendance. Shortly thereafter, Sponsor E indicated that it was not interested in purchasing Ultratech but would be open to financing a strategic acquirer.

On October 5, 2016, at the direction of the Ultratech board, representatives of BofA Merrill Lynch began contacting potential strategic acquirers in the United States. In total, representatives of BofA Merrill Lynch contacted five such potential strategic acquirers including Veeco and two other potential strategic acquirers (which we refer to as "Company D" and "Company E").

On October 9, 2016, Ultratech entered into a non-disclosure agreement with Veeco that contained a customary standstill provision that would terminate automatically upon certain events, including in the event that Ultratech entered into a definitive agreement for the acquisition of 50% or more of its outstanding voting securities.

On October 12, 2016, representatives of Ultratech held a management presentation for Veeco, with representatives of BofA Merrill Lynch in attendance. This presentation included Ultratech management projections for Ultratech for the fiscal years 2016 through 2018.

On October 17, 2016, members of the Ultratech business development committee met to discuss the strategic review process and the status of discussions with various parties.

On October 18, 2016, members of the Ultratech board met with representatives of BofA Merrill Lynch and O'Melveny & Myers to discuss recent events, strategic alternatives, and process updates.

On October 19, 2016, at the direction of the Ultratech board, representatives of BofA Merrill Lynch contacted an additional potential strategic acquirer regarding a potential transaction (which we refer to as "Company F").

On October 20, 2016, Ultratech entered into a non-disclosure agreement with Company D, and on November 2, 2016, Ultratech entered into a non-disclosure agreement with Company E. Each of these non-disclosure agreements contained customary standstill provisions that would terminate automatically

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under certain circumstances including in the event that Ultratech entered into a definitive agreement for the acquisition of 50% or more of its outstanding voting securities.

On October 22, 2016, at Ultratech's direction, representatives of BofA Merrill Lynch requested that Veeco provide a non-binding indication of interest by November 9, 2016.

On October 24, 2016, Ultratech entered into a non-disclosure agreement with Company F. The non-disclosure agreement contained a customary standstill provision that would terminate automatically upon certain events, including in the event that Ultratech entered into a definitive agreement for the acquisition of 50% or more of its outstanding voting securities.

On November 1, 2016, members of the Ultratech business development committee met with representatives of BofA Merrill Lynch to discuss recent events and the ongoing strategic review process.

From November 2016 through January 2017, Veeco submitted various due diligence requests to Ultratech to which Ultratech responded.

On November 4, 2016, members of the Ultratech business development committee held a conference call to discuss the strategic review process and the status of discussions with various parties.

On November 11, 2016, Ultratech received a preliminary, non-binding indication of interest from Veeco to acquire Ultratech. Veeco offered \$26.50 per Ultratech share, with 50% in cash and 50% payable in Veeco shares of common stock, representing a 21% premium to the closing price of Ultratech's common stock as of November 10, 2016.

On November 14, 2016, Messrs. Zafiropoulo and Wright held a telephonic meeting with representatives of BofA Merrill Lynch to discuss the written indication of interest submitted by Veeco. Also, on November 14, 2016, at the direction representatives of Ultratech, representatives of BofA Merrill Lynch and representatives of Barclays Capital Inc., Veeco's financial advisor, held a call to discuss Veeco's interest in a potential transaction and certain diligence requests.

On November 15, 2016, representatives of BofA Merrill Lynch provided to Mr. Zafiropoulo a disclosure letter to the Ultratech board, dated November 15, 2016, describing certain of BofA Merrill Lynch's material relationships with Ultratech, Veeco and other potential acquirers, which Mr. Zafiropoulo then provided to the Ultratech board that evening.

Also, on November 15, 2016, the Ultratech board held a special telephonic meeting to discuss the strategic review process. Representatives of BofA Merrill Lynch and representatives of O'Melveny & Myers attended the meeting. At the request of the Ultratech board, representatives of BofA Merrill Lynch reviewed with the Ultratech board, among other topics, a summary of Veeco's indication of interest, an overview of Veeco, the status of discussions with other potential bidders and the timing of the process for receiving other bids and certain preliminary financial analyses regarding Ultratech. Members of the Ultratech board then discussed with members of the Ultratech management team various strategic alternatives available to Ultratech, including remaining independent and other ways to continue to maximize value for Ultratech stockholders. Representatives from O'Melveny & Myers then provided the Ultratech board with a presentation on directors' fiduciary duties under applicable law, including applicable legal standards in connection with a potential business combination transaction.

Between November 14 and December 9, 2016, at the direction of the Ultratech board, Ultratech management provided follow-up materials to, and held additional discussions with, Veeco, Company D, Company E and Company F, including management presentations for Company D, Company E and Company F, each with the assistance of its respective legal and financial advisors. Between November 16, 2016 and November 21, 2016, at the request of the Ultratech board, representatives of BofA Merrill Lynch requested that each of Company D, Company E and Company F submit non-binding indications of interest by December 2, 2016. Shortly thereafter, Company D requested the deadline for submitting a non-binding indications of interest be extended to December 6, 2016,

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Company E requested the deadline for submitting a non-binding indications of interest be extended to December 16, 2016 and Company F requested the deadline for submitting a non-binding indications of interest be extended to December 8, 2016. Each such request was granted by Ultratech.

On November 22, 2016, members of the Ultratech business development committee met to discuss the strategic review process and the status of discussions with various parties.

On November 30, 2016, Veeco was granted access to the Ultratech virtual data room.

On December 5, 2016, the Ultratech board held a conference call with representatives of BofA Merrill Lynch to discuss recent events and the ongoing strategic review process. At the request of the Ultratech board, representatives of BofA Merrill Lynch gave an update on the status of discussions with various third parties. The Ultratech board instructed representatives of BofA Merrill Lynch to again seek indications of interest from the potential bidders that had not yet submitted any indications of interest. The Ultratech board also instructed representatives of BofA Merrill Lynch to seek a revised indication of interest from Veeco with a higher per share price than the November 11, 2016 indication of interest from Veeco. Representatives of BofA Merrill Lynch subsequently contacted representatives of Barclays to communicate the request for a revised indication of interest from Veeco.

On December 6, 2016, Ultratech received a preliminary, non-binding indication of interest from Company D to acquire Ultratech. Company D offered \$24.00 per Ultratech share in cash. This offer represented an 8% premium to Ultratech's closing price as of December 5, 2016.

Also on or about December 6, 2016, at the request of representatives of Ultratech, representatives of BofA Merrill Lynch provided Veeco with updated Ultratech management projections with respect to fiscal years 2016 through 2018.

On December 8, 2016, Company F indicated it was no longer interested in pursuing a potential transaction with Ultratech.

On December 9, 2016, members of the Ultratech business development committee held a conference call to discuss the strategic review process and the status of discussions with various parties. Also on December 9, 2016, the Ultratech board held a special telephonic meeting. Representatives of O'Melveny & Myers and representatives of BofA Merrill Lynch attended the meeting. At the request of the Ultratech board, representatives of BofA Merrill Lynch reviewed the potential strategic acquirers that had submitted proposals, the status of discussions with other potential strategic acquirers and the process timeline. The Ultratech board reviewed and discussed the information reviewed by representatives of BofA Merrill Lynch with management and representatives of O'Melveny & Myers.

On December 10, 2016, members of the Ultratech business development committee held a conference call to discuss the strategic review process and the status of discussions with various parties.

On December 12, 2016, Company D was granted access to the Ultratech virtual data room.

On December 12 and 13, 2016, representatives of Veeco and representatives of Ultratech held in person due diligence meetings, with representatives of Barclays and representatives of BofA Merrill Lynch in attendance.

During the week of December 12, 2016, at the direction of the Ultratech board, Ultratech management provided follow-up materials to, and held additional discussions with, Veeco, Company D, and Company E, each with the assistance of its respective legal and financial advisors.

On December 15, 2016, Company E indicated it was only interested in purchasing selected assets of Ultratech. Ultratech decided not to continue discussions with Company E.

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Between December 19 and January 13, 2017, at the direction of the Ultratech board, Ultratech management provided due diligence materials to, and held due diligence discussions with, Veeco and Company D, each with the assistance of its respective legal and financial advisors.

On December 23, 2016, certain members of the Ultratech business development committee held a conference call with representatives of BofA Merrill Lynch to discuss the strategic review process and the status of discussions with various parties. Also on December 23, 2016, the Ultratech board held a meeting to discuss recent events and the ongoing strategic review process. At that meeting, Mr. Zafiropoulo updated the Ultratech board on the strategic review process including with respect to the status of discussions with the various parties and timing. Representatives of O'Melveny & Myers provided a detailed overview of the draft merger agreements that had been prepared by O'Melveny & Myers for Veeco and Company D. The Ultratech board discussed the draft merger agreements and asked questions, which O'Melveny & Myers answered. The Ultratech board then discussed potential next steps and various matters relating to the reverse due diligence process with respect to Veeco.

On December 27, 2016, at the request of the Ultratech board, representatives of BofA Merrill Lynch delivered a draft merger agreement, prepared by O'Melveny & Myers, to each of Veeco and Company D and requested that each company submit a revised proposal for the acquisition of Ultratech by January 13, 2017.

During the first half of January 2017, Veeco continued its diligence review of Ultratech, and representatives of Ultratech and Veeco engaged in a series of business and legal diligence meetings for that purpose.

On January 4, 2017, representatives of Ultratech provided financial projections for Ultratech for fiscal years 2019 through 2021 to representatives of BofA Merrill Lynch.

On January 10, 2017, the Ultratech board held a special telephonic meeting, with representatives of BofA Merrill Lynch in attendance. At the request of the Ultratech board, representatives of BofA Merrill Lynch provided an update concerning the strategic review process, its preliminary financial analysis of Ultratech, the status of discussions with potential bidders and the status of Veeco's bid and Company D's bid. The Ultratech board met with management and a representative of O'Melveny & Myers to discuss the information reviewed by representatives of BofA Merrill Lynch. The Ultratech board discussed the process of conducting a reverse due diligence review of Veeco. The Ultratech board also discussed strategic alternatives available to it, including remaining independent.

Also on January 10, 2017, representatives of Barclays contacted representatives of BofA Merrill Lynch and held a telephonic meeting in which representatives of Barclays informed the representatives of BofA Merrill Lynch that Veeco would not be able to meet the deadline of January 13, 2017, which representatives of BofA Merrill Lynch communicated to the Ultratech board. Following this discussion, Ultratech agreed to extend the deadline for Veeco to January 20, 2017.

On January 13, 2017, Company D informed representatives of BofA Merrill Lynch that it would not be providing another proposal for the acquisition of Ultratech and that it was withdrawing its original proposal, which representatives of BofA Merrill Lynch communicated to the Ultratech board. Upon learning of Company D's withdrawal, Ultratech decided not to continue discussions with Company D. In addition, the virtual data room was closed to Company D. During the weeks of January 16 and January 23, 2017, at the direction of the Ultratech board, Ultratech provided due diligence materials to, received reverse due diligence materials from, and held due diligence and reverse due diligence discussions with Veeco, each with the assistance of its respective legal and financial advisors.

On January 16, 2017, members of the Ultratech business development committee held a meeting by telephone to discuss the strategic review process and the status of discussions with Veeco and Company D.

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On January 17, 2017, Veeco provided Veeco's preliminary results for fiscal year 2016 and financial projections for fiscal years 2017 and 2018 to representatives of BofA Merrill Lynch, who then provided such projections to representatives of Ultratech. On January 23, 2017, Veeco provided an updated forecast of the first quarter of 2017 with respect to Veeco to representatives of BofA Merrill Lynch, who then provided such updated forecast to representatives of Ultratech.

On January 20, 2017, Ultratech received a revised, non-binding indication of interest of Veeco to acquire Ultratech. Veeco offered \$21.34 in cash and 0.2620 shares of Veeco common stock per Ultratech share. Based on Veeco's closing share price on January 19, 2017, this represented a total per share value of \$28.45, consisting of \$21.34 in cash and \$7.11 in Veeco common stock, a 13% premium to Ultratech's closing price as of January 19, 2017. In addition, Veeco submitted preliminary comments on the draft merger agreement prepared by Morrison & Foerster. Mr. Zafiropoulo promptly communicated the revised offer to the Ultratech board. Included in such preliminary comments on the draft merger agreement, among other comments, was a request that Ultratech's directors and officers sign support agreements in favor of the merger and a request that Ultratech enter into a 30-day exclusivity agreement with Veeco.

On January 22, 2017, members of the Ultratech board held a conference call to discuss the new proposal from Veeco. Representatives of O'Melveny & Myers and representatives of BofA Merrill Lynch participated in the conference call. At the request of the Ultratech board, representatives of BofA Merrill Lynch provided an update concerning the strategic review process, the status of discussions with potential bidders and the status of Veeco's bid. Following a discussion, the Ultratech board decided to request that Veeco increase its bid to \$29.00 per share. Representatives of BofA Merrill Lynch, at the direction of the Ultratech board, contacted Veeco and requested that Veeco increase its bid to \$29.00 per share. Also on January 22, 2017, at the direction of the Ultratech board, representatives of BofA Merrill Lynch contacted Company D and Company E to reassess their interest at \$29.00 per share.

On January 23, 2017, both Company D and Company E indicated they were not interested in pursuing a potential acquisition at \$29.00 per share.

On January 23, 2017, Ultratech received a revised offer letter from Veeco including a revised, non-binding indication of interest from Veeco to acquire Ultratech for \$21.75 in cash and 0.2675 shares of Veeco common stock per Ultratech share. Based on Veeco's closing share price on January 20, 2017, this represented a total per share value of \$29.00, consisting of \$21.75 in cash and \$7.25 in Veeco common stock, a 14% premium to Ultratech's closing price as of January 20, 2017. In addition, Veeco's revised offer letter included proposals that Veeco approve certain compensation arrangements entered into by Ultratech between January 23, 2017 and the execution of a definitive merger agreement, and that unvested Ultratech stock options and other stock based awards not accelerate. The revised offer letter also included a request that Ultratech enter into a separate exclusivity agreement and countersign the offer letter.

Also on January 23, 2017, representatives of O'Melveny & Myers provided the Ultratech board with a list of issues raised by Morrison & Foerster's mark-up of the merger agreement, and a proposed revised draft merger agreement to be provided to Veeco and Morrison & Foerster.

On January 24, 2017, the Ultratech board held a special meeting to consider the revised offer and exclusivity agreement from Veeco, with representatives of BofA Merrill Lynch in attendance. At the request of the Ultratech board, representatives of BofA Merrill Lynch reviewed with the Ultratech board a summary of the strategic review process and proposals received to date, its preliminary financial analysis of Veeco's revised offer and the reverse due diligence information provided by Veeco to Ultratech. After a discussion with representatives of BofA Merrill Lynch, the Ultratech board then met with management and a representative of O'Melveny & Myers to review and discuss further the information reviewed by representatives of BofA Merrill Lynch, Veeco's revised January 23, 2017 offer,

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the results of the reverse due diligence exercise conducted to date and strategic alternatives, including the possibility of remaining independent. In addition, representatives of O'Melveny & Myers reviewed the terms of the revised offer letter received from Veeco on January 23, 2017, and the proposed exclusivity agreement and the current status of negotiations on the merger agreement. The Ultratech board approved the exclusivity agreement and offer letter, subject to certain revisions being negotiated.

On January 25, 2017, at the direction of the Ultratech board, representatives of BofA Merrill Lynch provided Veeco with Ultratech's and O'Melveny & Myers' comments to Veeco's revised offer letter and the exclusivity agreement provided by Veeco. Veeco did not respond to those comments.

Also on January 25, 2017, O'Melveny & Myers provided Morrison & Foerster with a revised draft of the merger agreement.

Between January 24, 2017 and February 1, 2017, Veeco and Ultratech negotiated the definitive merger agreement and ancillary documents, including the support agreement, and engaged in numerous due diligence meetings, including due diligence with respect to Veeco performed by Ultratech's management, each with the assistance of its respective legal and financial advisors. Among the issues that were discussed by Ultratech and Veeco during negotiations with respect to the merger agreement were the interim operating covenants applicable to Ultratech during the period between signing the merger agreement and closing the transaction (including restrictions on Ultratech's ability to pursue alternative transactions or operate outside the ordinary course of business), the closing conditions to the merger (including the closing condition proposed by Veeco, on January 30, 2017, that Ultratech and its subsidiaries maintain a specified amount of cash on hand in the United States), termination rights and termination fee provisions.

On or about January 27, 2017, Ultratech provided representatives of BofA Merrill Lynch with actual financial results for Ultratech with respect to fiscal year 2016.

On January 27, 2017, representatives of Ultratech provided representatives of BofA Merrill Lynch with updated financial information for Ultratech with respect to Ultratech's most recently completed quarter.

Also on January 27, 2017, Veeco and Ultratech provided each other with updates regarding Veeco's due diligence and Ultratech's reverse due diligence processes, each with the assistance of its respective financial advisors.

From January 27 to January 30, 2017, Messrs. Peeler, Zafiropoulo and Child discussed the terms of change in control severance agreements that Ultratech was considering approving for certain of its executives as well as the terms and conditions of equity awards that the compensation committee of the Ultratech board had been contemplating pursuant to the Ultratech 1993 Stock Option/Stock Issuance Plan. These requests were resolved to the satisfaction of Ultratech and Veeco.

On January 29, 2017, representatives of O'Melveny & Myers provided the Ultratech board with an update on the status of negotiations concerning the definitive merger agreement, including a list of open issues, the current draft of the agreement and proposals for addressing various issues.

Also on January 29, 2017, representatives of O'Melveny & Myers provided Morrison & Foerster with a draft of the support agreement. From January 29, 2017 to February 1, 2017, representatives of O'Melveny & Myers and Morrison & Foerster negotiated and exchanged drafts of the support agreement.

On January 30, 2017, members of the Ultratech board and a representative of O'Melveny & Myers met to discuss the status of discussions with Veeco and open issues related to the potential transaction.

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Also on January 30, 2017, Veeco and Ultratech entered into an additional non-disclosure agreement regarding information provided by Veeco to Ultratech as part of Ultratech's reverse due diligence process. Veeco then provided Ultratech with additional due diligence materials.

On January 31, 2017, the Ultratech board held its regular meeting. At that meeting, a representative of O'Melveny & Myers provided a detailed report on the current status of negotiations and a list of all open matters and points on the proposed transaction with Veeco. In addition, the board discussed the status of the strategic review process and the availability of strategic alternatives, including remaining independent.

Also on January 31, 2017, the compensation committee of the Ultratech board approved certain change in control severance agreements for certain executives of Ultratech, other than for Messrs. Zafiropoulo and Wright who were already parties to employment agreements with Ultratech. The compensation committee of the Ultratech board also approved the grant of restricted stock unit awards under Ultratech's 1993 Stock Option/Stock Issuance Plan to certain employees, including Ultratech's executive officers, that cover, in the aggregate, 338,000 shares of Ultratech common stock. The January 31, 2017 restricted stock unit awards are scheduled to vest over a period of fifty months following the grant date of the awards, do not fully accelerate on the merger, and are subject to certain accelerated vesting in the event the award recipient's employment terminates in circumstances that entitle the award recipient to severance benefits under his or her employment or change in control severance agreement with Ultratech. Each Ultratech executive officer filed a Form 4 with respect to his or her January 31, 2017 award with the SEC on February 3, 2017.

Also on January 31, 2017, representatives of BofA Merrill Lynch provided to O'Melveny & Myers an updated disclosure letter to the Ultratech board, dated January 31, 2017, describing certain of BofA Merrill Lynch's material relationships with Ultratech and Veeco.

Also on January 31, 2017, Mr. Peeler telephoned Mr. Zafiropoulo to discuss several open issues in the merger agreement, including a new closing condition requested the day before regarding that Ultratech and its subsidiaries maintain a specified amount of cash on hand in the United States. Upon reaching agreement on the resolution of the open issues, Messrs. Peeler and Zafiropoulo instructed Morrison & Foerster and O'Melveny & Myers, respectively, to finalize the merger agreement.

On February 1, 2017, the Ultratech board held a special telephonic meeting to review the terms and conditions of the proposed transaction with Veeco with representatives of O'Melveny & Myers and representatives of BofA Merrill Lynch in attendance. Prior to that meeting, the Ultratech board was provided with copies of the latest drafts of the merger agreement and the support agreement and presentations from representatives of BofA Merrill Lynch and O'Melveny & Myers. At this meeting, Messrs. Zafiropoulo and Wright gave reports concerning Ultratech management's financial and other due diligence with respect to Veeco and their views with respect to the value of Veeco's common stock. Also at this meeting, representatives of BofA Merrill Lynch presented a summary of the strategic review process and proposals received to date. Also at this meeting, representatives of BofA Merrill Lynch reviewed with Ultratech's board BofA Merrill Lynch's financial analysis of the merger consideration and delivered to Ultratech's board an oral opinion, which was confirmed by the delivery of a written opinion on February 1, 2017, to the effect that, as of that date and based on and subject to various assumptions and limitations described in its opinion, the merger consideration to be received in the merger by holders of Ultratech common stock (other than Veeco, Merger Subsidiary and holders of dissenting shares), was fair, from a financial point of view, to such holders. Also at this meeting, representatives of O'Melveny & Myers then provided the Ultratech board with a review of the board's fiduciary duties and a detailed review of the draft merger agreement and the form of support agreement as well as the disclosure letter, dated January 31, 2017, provided by representatives of BofA Merrill Lynch disclosing certain of BofA Merrill Lynch's material relationships with Ultratech and Veeco. The Ultratech board then evaluated and discussed the terms of the draft merger agreement and

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the transactions contemplated thereby with Ultratech management, representatives of O'Melveny & Myers and representatives of BofA Merrill Lynch. After further discussion and consideration of the financial and other information presented, the Ultratech board unanimously, (1) determined that the merger agreement and the transactions contemplated thereby were fair to and in the best interests of Ultratech's stockholders, (2) approved and declared advisable the merger agreement and the transactions contemplated thereby, (3) resolved, subject to section 6.03 of the merger agreement, to unanimously recommend adoption of the merger agreement by Ultratech's stockholders, all upon the terms and subject to the conditions set forth therein, and (4) resolved that, subject to section 6.03 of the merger agreement, it would advise Ultratech's stockholders of its unanimous recommendation to adopt the merger agreement in accordance with the terms of the merger agreement and to include such recommendation in this proxy statement/prospectus.

On February 2, 2017, Ultratech and Veeco executed and delivered the Merger Agreement and Ultratech and Veeco issued a joint press release announcing the execution of the Merger Agreement.

Recommendation of the Ultratech Board; Ultratech's Reasons for the Merger

At its February 1, 2017 meeting held to evaluate the proposed merger, the Ultratech board, by a unanimous vote, (1) determined that the merger agreement and the transactions contemplated thereby were fair to and in the best interests of Ultratech's stockholders, (2) approved and declared advisable the merger agreement and the transactions contemplated thereby, (3) resolved, subject to section 6.03 of the merger agreement, to recommend adoption of the merger agreement by Ultratech's stockholders, all upon the terms and subject to the conditions set forth therein, and (4) resolved that, subject to section 6.03 of the merger agreement, it would advise Ultratech's stockholders of its recommendation to adopt the merger agreement in accordance with the terms of the merger agreement and to include such recommendation in this proxy statement/prospectus. The Ultratech board therefore recommends that Ultratech stockholders vote:

- 1. "FOR" the Merger Proposal;
- 2. "FOR" the Compensation Proposal; and
- 3. "FOR" the Ultratech Adjournment Proposal.

In evaluating the merger and the merger agreement and arriving at its determination, the Ultratech board consulted with Ultratech's senior management, representatives of Ultratech's financial advisor, BofA Merrill Lynch and Ultratech's outside legal counsel, O'Melveny & Myers. The factors referenced below were discussed during meetings of the Ultratech board, with each individual member of the Ultratech board placing more or less emphasis or weight on particular factors, as described below. The emphasis and weighting of those factors led each member of the Ultratech board to exercise his or her judgment in the manner reflected in the voting of the Ultratech board.

In determining that the merger agreement and the transactions contemplated thereby are fair to and in the best interests of Ultratech's stockholders, approving and declaring advisable the merger agreement and the transactions contemplated thereby and resolving to recommend adoption of the merger agreement by Ultratech stockholders, the Ultratech board considered a number of factors. The various factors the Ultratech board considered that weighed positively in favor of the merger agreement, the merger and the other transactions contemplated by the merger agreement included, among others and not necessarily in order of relative importance:

historical information regarding (i) Ultratech's business, financial performance, results of operations, (ii) market prices, volatility and trading activity with respect to Ultratech common stock, and (iii) market prices with respect to other industry participants and general market indices;

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current information regarding (i) Ultratech's business, prospects, financial condition, operations, technology, products, services, management, competitive position and strategic business goals and objectives, (ii) general economic, industry and financial market conditions, and (iii) opportunities and competitive factors within Ultratech's industry;

historical information regarding (i) Veeco's business, financial performance and results of operations, (ii) market prices, volatility and trading activity with respect to Veeco common stock, and (iii) market prices with respect to other industry participants and general market indices;

current information regarding (i) Veeco's business, prospects, financial condition, operations, technology, products, services, management and competitive position and (ii) opportunities and competitive factors within Veeco's industry;

the prospects and likelihood of realizing superior benefits through remaining an independent company, risks associated with remaining an independent company, and possible alternative business strategies and/or transactions;

the prospect that as a result of the merger, the combined company would be able to realize cost synergies;

the potential for other third parties to enter into strategic relationships with or to seek to acquire Ultratech, including a review of management's dealings with other possible buyers in the past and assessment of the likelihood that a third party would have offered a higher price than the price per share offered by Veeco and the likelihood that any stock consideration offered by another bidder would have been as attractive as the stock consideration being offered by Veeco;

the timing of the merger and the risk that if Ultratech did not accept Veeco's offer (as provided for in the merger agreement), it may not have had another opportunity to do so or a comparable opportunity;

the fact that, during the course of its negotiations with Veeco, Veeco raised the value of the total consideration from \$26.50 to \$28.64 (based the closing price of Veeco common stock of \$25.75 on February 1, 2017, the last trading day before the announcement of the merger);

the fact that the implied value of the merger consideration of \$28.64, based on a per share price of Veeco common stock of \$25.75 (the closing price on February 1, 2017, the last trading day before the announcement of the merger), represented: (i) a premium of approximately 10.5% to \$25.92 (the closing price of Ultratech common stock on January 31, 2017); (ii) a premium of 14.1% to the one-month average closing price per share of Ultratech's common stock of \$25.10; (iii) a premium of 21.5% to the three-month average closing price per share of Ultratech's common stock of \$23.57; (iv) a premium of 20.8% to the six-month average closing price per share of Ultratech's common stock of \$23.72; and (v) a premium of 26.4% to the one-year average closing price per share of Ultratech's common stock of \$22.66;

the fact that (i) the stock portion of the per share merger consideration will provide Ultratech's stockholders with the opportunity for meaningful participation in the upside potential of the combined company through the ownership of the shares of Veeco common stock they receive as merger consideration should they choose to continue to hold such shares and (ii) based on the fixed exchange ratio of 0.2675 shares of Veeco common stock for each share of Ultratech common stock, the Ultratech stockholders would benefit from any increase in the trading price of Veeco common stock prior to completion of the merger;

the belief, based on the analyses of Ultratech's management presented to and discussed by the Ultratech board, that the Veeco common stock was reasonably valued at current trading prices;

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the fact that the cash portion of the per share merger consideration, which represented approximately 76% of the per share merger consideration as of February 1, 2017, will provide liquidity and certainty of value upon the consummation of the merger;

the fact that Ultratech's board was subject to a successful proxy contest in 2016 and the possibility that future proxy contests, if any, might be disruptive to Ultratech's management and directors and impose direct and indirect costs on Ultratech;

the judgment of the Ultratech board that continuing with the strategic process was unlikely to result in a transaction at a more attractive price than offered by Veeco in the merger and that a "failed" attempt to sell Ultratech would have been detrimental to Ultratech:

the solicitation of potential acquirers that included, in total, across all geographies, discussions with 26 potential acquirers, 16 of which were strategic acquirers and 10 of which were financial sponsors. Of these, two prospective acquirers (Veeco and Company D) submitted written indications of interest for a purchase of Ultratech (one of which was subsequently withdrawn), two (including Company E) expressed an interest in purchasing limited, selected assets of Ultratech, four potential financial sponsors (including Sponsor A and Sponsor E) expressed a willingness to provide financing for a strategic acquirer, and 18 prospective acquirers indicated they were not interested in a potential transaction;

the fact that Ultratech is permitted, under circumstances described in the merger agreement and subject to certain conditions, to (i) to respond to and negotiate unsolicited takeover proposals prior to the time Ultratech's stockholders approve the merger, (ii) terminate the merger agreement in order to enter into an agreement with respect to an unsolicited takeover proposal that the Ultratech board of directors determines is superior to the Veeco merger after giving Veeco the opportunity to match the superior proposal and upon payment of a termination fee equal to \$26.5 million and (iii) withdraw, withhold, qualify or modify its recommendation to Ultratech stockholders that they adopt the merger agreement if it would be reasonably likely to result in a breach of the Ultratech board's fiduciary duties to fail to do so;

the fact that, under the terms of the merger agreement, Veeco has agreed to use its reasonable best efforts to take, or cause to be taken, all things necessary, proper or advisable under applicable law (including making filings pursuant to antitrust laws and, if necessary, taking certain limited divestitures and other actions in order to obtain approvals under applicable law) to consummate the merger agreement and the transactions contemplated thereby as promptly as practicable;

the belief of the Ultratech board that an acquisition by Veeco would have a reasonable likelihood of closing without potential issues under applicable antitrust laws or potential issues from any governmental authorities;

the fact that Veeco's obligations pursuant to the merger agreement are not subject to any financing condition or similar contingency based on Veeco's ability to obtain financing;

the fact that the merger is subject to the approval of the stockholders of Ultratech, who will be free to approve or reject the merger, while the merger is not subject to the conditionality and execution risk of any required approval by Veeco's stockholders;

the fact that the financial and other terms and conditions of the merger agreement and the transactions contemplated thereby, including the commitments to obtain antitrust clearance provided by Veeco, the absence of a financing condition and the ability to respond to and negotiate unsolicited takeover proposals and to terminate the merger agreement for a superior proposal, were the product of arm's length negotiations between the parties and provided reasonable assurances that the merger would ultimately be consummated on a timely basis;

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the financial analyses presented by representatives of BofA Merrill Lynch to the Ultratech board;

the opinion of BofA Merrill Lynch, dated February 1, 2017, to Ultratech's board of directors as to the fairness, from a financial point of view and as of the date of the opinion, of the merger consideration to be received in the merger by holders of Ultratech common stock (other than Veeco, Merger Subsidiary and holders of dissenting shares), as more fully described below in the section entitled "Opinion of Ultratech's Financial Advisor;" and

the availability of appraisal rights to stockholders of Ultratech in connection with the merger, subject to the terms and conditions of Section 262 of the DGCL.

In addition, the Ultratech board considered a variety of risks and other potentially negative factors concerning the merger. These factors included the following, which are not necessarily listed in order of relative importance:

the fact that Ultratech will no longer exist as an independent public company and Ultratech's stockholders will forego any future increase in its value as an independent public company that might result from its possible growth (together with the possibility of near and long term fluctuations in the value of Veeco common stock to be issued in the merger);

the fact that because Ultratech's stockholders will be receiving primarily cash for their shares of Ultratech common stock, they will receive only limited compensation for any increase in the value of Ultratech's or Veeco's shares of common stock during the pre-closing period or following the closing of the merger;

the fact that the merger agreement does not contain a floor for the value of Veeco common stock and that the total value of the merger consideration payable in connection with the merger could rise or fall based on the value of Veeco's common stock:

the possible negative effect of the merger and public announcement of the merger on Ultratech's financial performance, operating results and stock price and Ultratech's relationships with customers, suppliers, other business partners, management and employees;

the possible negative effect of the merger and public announcement of the merger on Veeco's financial performance, operating results and stock price and Veeco's relationships with customers, suppliers, other business partners, management and employees;

the fact that forecasts of future results of operations and synergies are necessarily estimates based on assumptions, and that for these and other reasons there is a risk of not realizing anticipated performance or capturing anticipated operational synergies and cost savings between Ultratech and Veeco and the risk that other anticipated benefits might not be fully realized;

the challenges generally inherent in combining the businesses, operations and workforces of two companies, including the interaction of product and service lines, sales teams, service delivery processes, cash management processes, operating and business support systems and other critical business functions;

the fact that, because a portion of the per share merger consideration is payable in shares of Veeco common stock in accordance with a fixed exchange ratio, Ultratech stockholders will be adversely affected by any decrease in the trading price of Veeco common stock prior to completion of the merger, and may receive less value for their shares of Veeco common stock upon completion of the merger than calculated based on the price of the Veeco common stock at the time the

Ultratech board approved the merger agreement, taking into account, however, that a portion of the merger consideration is payable in cash and will not be affected by a decrease in the stock price of shares of Veeco common stock;

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the fact that the merger agreement (i) precludes Ultratech from actively soliciting competing acquisition proposals and (ii) obligates Ultratech (or its successor) to pay Veeco a termination fee equal to \$26.5 million under specified circumstances, which could discourage the making of a competing acquisition proposal or adversely impact the price offered in such a proposal;

the fact that, if the transaction is not completed as a result of regulatory impediments or other reasons, Veeco will not be obligated to pay any "reverse termination fee;"

the fact that the merger agreement imposes restrictions on the conduct of Ultratech's business in the pre-closing period, which may adversely affect Ultratech's business in the event the merger is not completed (including by delaying or preventing Ultratech from pursuing business opportunities that may arise or precluding actions that would be advisable if Ultratech were to remain an independent company);

the fact that Veeco is financing the merger in part using Ultratech's cash and that the merger agreement provides that as a condition to closing Ultratech's representation and warranty that it have at least \$180 million available in the United States to use for this purpose must be true and correct at closing and the possibility that Ultratech may have to repatriate cash in order to satisfy this closing condition;

the fact that the merger agreement provisions referenced in the above two bullets may significantly restrict the operation of Ultratech's business;

the risk that governmental entities would not approve the merger, or may impose conditions on Ultratech or Veeco in order to gain approval for the merger that may adversely impact the ability of the combined company to realize the synergies that are projected to occur in connection with the merger;

the risks involved with the merger and the likelihood that Ultratech and Veeco will be able to complete the merger, the possibility that the merger might not be consummated or that consummation of the merger may be unduly delayed for reasons beyond the control of Ultratech and/or Veeco, and Ultratech's prospects going forward without the combination with Veeco;

the risks and costs to Ultratech if the merger is not completed, including uncertainty about the effect of the proposed merger on Ultratech's employees, customers, suppliers and other parties, which may impair Ultratech's ability to attract, retain and motivate key personnel and could cause customers, suppliers and others to seek to change or not enter into business relationships with Ultratech;

the substantial transaction expenses to be incurred in connection with the merger and the negative impact of such expenses on Ultratech's cash reserves and operating results should the merger not be completed;

all known interests of Ultratech's directors and executive officers in the merger that may be different from, or in addition to, their interests as stockholders of Ultratech or the interests of Ultratech's other stockholders generally;

the various constituencies of Ultratech, as and to the extent the Ultratech board is permitted to consider such constituencies;

the fact that both the stock consideration and the cash consideration will be taxable;

the risk of incurring substantial expenses related to the merger, including in connection with any litigation that may result from the announcement or pendency of the merger; the potential risk of diverting management attention and resources from the operation of Ultratech's business and towards completion of the merger; and

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the various other risks associated with the merger and the business of Ultratech, Veeco and the combined company described in the section entitled "Risk Factors".

This discussion of the information and factors considered by the Ultratech board includes specific factors to which each member of the Ultratech board gave more or less emphasis or weight and other factors, both positive and negative, considered by the Ultratech board during its deliberations. The discussion of these matters is not intended to be exhaustive and may not include all of the factors considered by the Ultratech board. In view of the wide variety of factors considered in connection with its evaluation of the merger, and the complexity of these matters, the Ultratech board did not attempt to quantify the various factors that it considered in determining that the merger agreement and the transactions contemplated thereby are fair and in the best interests of Ultratech stockholders, approving and declaring advisable the merger agreement and the transactions contemplated thereby and resolving to recommend adoption of the merger agreement by Ultratech's stockholders. Rather, the Ultratech board viewed its decisions as being based on the totality of the information presented to it and the factors it considered. The explanation of the Ultratech board's reasons for the proposed transactions and all other information in this Section may be forward-looking in nature and therefore should be read in light of the factors discussed under the section entitled "Special Note Regarding Forward-Looking Statements" beginning on page 46 of this proxy statement/prospectus.

Opinion of Ultratech's Financial Advisor

Ultratech has retained BofA Merrill Lynch to act as Ultratech's financial advisor in connection with the merger. BofA Merrill Lynch is an internationally recognized investment banking firm which is regularly engaged in the valuation of businesses and securities in connection with mergers and acquisitions, negotiated underwritings, secondary distributions of listed and unlisted securities, private placements and valuations for corporate and other purposes. Ultratech selected BofA Merrill Lynch to act as Ultratech's financial advisor in connection with the merger on the basis of BofA Merrill Lynch's experience in transactions similar to the merger, its reputation in the investment community and its familiarity with Ultratech and its business.

On February 1, 2017, at a meeting of Ultratech's board of directors held to evaluate the merger, BofA Merrill Lynch delivered to Ultratech's board of directors an oral opinion, which was confirmed by delivery of a written opinion dated February 1, 2017, to the effect that, as of the date of the opinion and based on and subject to various assumptions and limitations described in its opinion, the merger consideration to be received in the merger by holders of Ultratech common stock (other than Veeco, Merger Subsidiary and holders of dissenting shares) was fair, from a financial point of view, to such holders.

The full text of BofA Merrill Lynch's written opinion to Ultratech's board of directors, which describes, among other things, the assumptions made, procedures followed, factors considered and limitations on the review undertaken, is attached as Annex B to this document and is incorporated by reference herein in its entirety. The following summary of BofA Merrill Lynch's opinion is qualified in its entirety by reference to the full text of the opinion. BofA Merrill Lynch delivered its opinion to Ultratech's board of directors for the benefit and use of Ultratech's board of directors (in its capacity as such) in connection with and for purposes of its evaluation of the merger consideration from a financial point of view. BofA Merrill Lynch's opinion does not address any other aspect of the merger and no opinion or view was expressed as to the relative merits of the merger in comparison to other strategies or transactions that might be available to Ultratech or in which Ultratech might engage or as to the underlying business decision of Ultratech to proceed with or effect the merger. BofA Merrill Lynch's opinion does not address any other aspect of the merger and does not constitute an opinion or recommendation to any stockholder as to how to vote or act in connection with the merger or any related matter.

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In connection with rendering its opinion, BofA Merrill Lynch:

- (i) reviewed certain publicly available business and financial information relating to Ultratech and Veeco;
- (ii)
 reviewed certain internal financial and operating information with respect to the business, operations and prospects of
 Ultratech furnished to or discussed with BofA Merrill Lynch by the management of Ultratech, including certain financial
 forecasts relating to Ultratech prepared by the management of Ultratech;
- (iii)
 reviewed certain internal financial and operating information with respect to the business, operations and prospects of Veeco furnished to or discussed with BofA Merrill Lynch by the management of Veeco, including certain financial forecasts relating to Veeco prepared by the management of Veeco (the "Veeco Management Projections");
- (iv)
 discussed the past and current business, operations, financial condition and prospects of Ultratech with members of senior management of Ultratech, and discussed the past and current business, operations, financial condition and prospects of Veeco with members of senior managements of Ultratech and Veeco;
- (v)

 reviewed the potential pro forma financial impact of the merger on the future financial performance of Veeco, including the potential effect on Veeco's estimated earnings per share;
- (vi)

 reviewed the trading histories for Ultratech common stock and Veeco common stock and a comparison of such trading histories with each other and with the trading histories of other companies BofA Merrill Lynch deemed relevant;
- (vii)compared certain financial and stock market information of Ultratech and Veeco with similar information of other companies BofA Merrill Lynch deemed relevant;
- (viii) compared certain financial terms of the merger to financial terms, to the extent publicly available, of other transactions BofA Merrill Lynch deemed relevant;
- (ix) considered the results of BofA Merrill Lynch's efforts on behalf of Ultratech to solicit, at the direction of Ultratech, indications of interest and definitive proposals from third parties with respect to a possible acquisition of Ultratech;
- (x) reviewed a draft, dated January 31, 2017, of the merger agreement (the "Draft Agreement"); and
- (xi) performed such other analyses and studies and considered such other information and factors as BofA Merrill Lynch deemed appropriate.

In arriving at its opinion, BofA Merrill Lynch assumed and relied upon, without independent verification, the accuracy and completeness of the financial and other information and data publicly available or provided to or otherwise reviewed by or discussed with it and relied upon the assurances of the managements of Ultratech and Veeco that they were not aware of any facts or circumstances that would make such information or data inaccurate or misleading in any material respect. With respect to the Ultratech Management Projections, BofA Merrill Lynch was advised by Ultratech, and assumed, that they were reasonably prepared on bases reflecting the best currently available estimates and good faith judgments of the management of Ultratech as to the future financial performance of Ultratech. With respect to the Veeco Management Projections, BofA Merrill Lynch was advised by Veeco that they were reasonably prepared on bases reflecting the best currently available estimates and good faith judgments of the management of Veeco as to the future financial performance of Veeco and other matters covered thereby. BofA Merrill Lynch was not provided with, and it did not have access to, financial forecasts relating to Veeco or estimates of cost savings anticipated to result from the merger, in each case, prepared by, or approved for BofA Merrill Lynch's use by, the management of Ultratech. Accordingly, BofA Merrill Lynch did not perform any financial analysis on Veeco on a standalone basis

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or pro forma for the consummation of the merger, except that it utilized Wall Street research analyst estimates to perform an illustrative analysis of Veeco pro forma for the consummation of the merger. BofA Merrill Lynch was not provided with any independent evaluation or appraisal of the assets or liabilities (contingent or otherwise) of Ultratech or Veeco, nor did it make any physical inspection of the properties or assets of Ultratech or Veeco. BofA Merrill Lynch did not evaluate the solvency or fair value of Ultratech or Veeco under any state, federal or other laws relating to bankruptcy, insolvency or similar matters. BofA Merrill Lynch assumed, at the direction of Ultratech, that the merger would be consummated in accordance with its terms, without waiver, modification or amendment of any material term, condition or agreement and that, in the course of obtaining the necessary governmental, regulatory and other approvals, consents, releases and waivers for the merger, no delay, limitation, restriction or condition, including any divestiture requirements or amendments or modifications, would be imposed that would have an adverse effect on Ultratech, Veeco or the contemplated benefits of the merger. BofA Merrill Lynch also assumed, at the direction of Ultratech, that the final executed merger agreement would not differ in any material respect from the Draft Agreement reviewed by BofA Merrill Lynch.

BofA Merrill Lynch expressed no view or opinion as to any terms or other aspects or implications of the merger (other than the merger consideration to the extent expressly specified in its opinion), including, without limitation, the form or structure of the merger consideration or the merger or any terms, aspects or implications of any other agreement, arrangement or understanding entered into in connection with or related to the merger or otherwise. BofA Merrill Lynch's opinion was limited to the fairness, from a financial point of view, of the merger consideration to be received in the merger by holders of Ultratech common stock (other than Veeco, Merger Subsidiary and the holders of dissenting shares) and no opinion or view was expressed with respect to any consideration received in connection with the merger by the holders of any class of securities, creditors or other constituencies of any party. In addition, no opinion or view was expressed with respect to the fairness (financial or otherwise) of the amount, nature or any other aspect of any compensation to any of the officers, directors or employees of any party to the merger, or class of such persons, relative to the merger consideration or otherwise. Furthermore, no opinion or view was expressed as to the relative merits of the merger in comparison to other strategies or transactions that might be available to Ultratech or in which Ultratech might engage or as to the underlying business decision of Ultratech to proceed with or effect the merger. In addition, BofA Merrill Lynch did not express any view or opinion with respect to, and relied, at the direction of Ultratech, upon the assessments of representatives of Ultratech regarding, legal, regulatory, accounting, tax and similar matters relating to Ultratech, Veeco and the merger (including the contemplated benefits of the merger) as to which BofA Merrill Lynch understood that Ultratech obtained such advice as it deemed necessary from qualified professionals. BofA Merrill Lynch also did not express any opinion as to what the value of Veeco common stock actually would be when issued or the prices at which Ultratech common stock or Veeco common stock would trade at any time, including following announcement or consummation of the merger. In addition, BofA Merrill Lynch expressed no opinion or recommendation as to how any stockholder should vote or act in connection with the merger or any related matter. Except as described above, Ultratech imposed no other limitations on the investigations made or procedures followed by BofA Merrill Lynch in rendering its opinion.

BofA Merrill Lynch's opinion was necessarily based on financial, economic, monetary, market and other conditions and circumstances as in effect on, and the information made available to BofA Merrill Lynch as of, the date of its opinion. It should be understood that subsequent developments may affect its opinion, and BofA Merrill Lynch does not have any obligation to update, revise or reaffirm its opinion. The issuance of BofA Merrill Lynch's opinion was approved by a fairness opinion review committee of BofA Merrill Lynch.

The discussion set forth below in the section entitled "Ultratech Financial Analyses" represents a summary of the material financial analyses presented by BofA Merrill Lynch to Ultratech's board of directors in connection with its opinion. **The financial analyses summarized below include information**

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presented in tabular format. In order to fully understand the financial analyses performed by BofA Merrill Lynch, the tables must be read together with the text of each summary. The tables alone do not constitute a complete description of the financial analyses performed by BofA Merrill Lynch. Considering the data set forth in the tables below without considering the full narrative description of the financial analyses, including the methodologies and assumptions underlying the analyses, could create a misleading or incomplete view of the financial analyses performed by BofA Merrill Lynch.

Ultratech Financial Analyses.

Selected Publicly Traded Companies Analysis. BofA Merrill Lynch reviewed publicly available financial and stock market information for Ultratech and the following 15 publicly traded companies in the semiconductor equipment industry:

Large Cap Companies
ASML Holding N.V.
KLA-Tencor Corporation
Applied Materials, Inc.
Lam Research Corporation
Tokyo Electron Limited
Mid / Small Cap Companies
ASM International
BE Semiconductor Industries N.V.
Rudolph Technologies, Inc.
Nanometrics Incorporated
Orbotech Ltd.
Nova Measuring Instruments Ltd.
Photronics, Inc.
Kulicke & Soffa Industries, Inc.

AIXTRON SE

SÜSS MicroTec AG

BofA Merrill Lynch reviewed, among other things, per share equity values, based on closing stock prices on January 31, 2017, of the selected publicly traded companies as a multiple of calendar year 2017 non-GAAP estimated earnings per share, commonly referred to as non-GAAP EPS. BofA Merrill Lynch also reviewed enterprise values ("EV") of the selected publicly traded companies, calculated as equity values based on closing stock prices on January 31, 2017, plus debt, plus minority interest, less cash, as a multiple of calendar year 2017 estimated earnings before interest, taxes, depreciations and amortization, commonly referred to as EBITDA. This analysis indicated the following multiples for the selected publicly traded companies:⁽¹⁾

(1) Figures for AXITRON SE's 2017 EV/EBITDA and 2017 P/Non-GAAP EPS were not meaningful and were excluded from the calculation of the low, median and high.

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Selected Publicly Traded Companies Large Cap	P/Non-GAAP EPS	EV/EBITDA
ASML Holding N.V.	22.5x	18.6x
KLA-Tencor Corporation	14.9x	10.5x
Applied Materials, Inc.	13.5x	10.4x
Lam Research Corporation	12.9x	9.6x
Tokyo Electron Limited	18.4x	10.0x

Selected Publicly Traded Companies Large Cap	P/Non-GAAP EPS	EV/EBITDA
Low	12.9x	9.6x
Median	14.9x	10.4x
High	22.5x	18.6x

Selected Publicly Traded Companies Mid / Small Cap	P/Non-GAAP EPS	EV/EBITDA
ASM International	19.6x	15.6x
BE Semiconductor Industries N.V.	14.6x	11.7x
Rudolph Technologies, Inc.	21.1x	11.5x
Nanometrics Incorporated	20.2x	8.8x
Orbotech Ltd.	12.0x	8.4x
Nova Measuring Instruments Ltd.	13.9x	8.2x
Photronics, Inc.	15.4x	4.4x
Kulicke & Soffa Industries, Inc.	19.0x	8.4x
AIXTRON SE	NM	NM
SÜSS MicroTec AG	21.9x	9.1x

Selected Publicly Traded Companies Mid / Small Cap	P/Non-GAAP EPS	EV/EBITDA
Low	12.0x	4.4x
Median	19.0x	8.8x
High	21.9x	15.6x

BofA Merrill Lynch then applied calendar year 2017 non-GAAP EPS multiples of 12.0x to 21.5x derived from the selected publicly traded companies to Ultratech's calendar year 2017 estimated non-GAAP EPS and applied calendar year 2017 EBITDA multiples of 8.0x to 12.0x derived from the selected publicly traded companies to Ultratech's calendar year 2017 estimated EBITDA. Estimated financial data of the selected publicly traded companies were based on publicly available research analysts' estimates, and estimated financial data of Ultratech were based on the Ultratech Management Projections. This analysis indicated the following approximate implied per share equity value reference ranges for Ultratech, as compared to the merger consideration:

Implied Per Share Equity Value	Reference Ranges for	N	Ierger
Ultratech ⁽²	2)	Cons	sideration
2017E NON-GAAP EPS	2017E EBITDA		
\$20.05 - \$35.90	\$24.40 - \$31.65	\$	28.64

No company used in this analysis is identical or directly comparable to Ultratech. Accordingly, an evaluation of the results of this analysis is not entirely mathematical. Rather, this analysis involves complex considerations and judgments concerning differences in financial and operating characteristics and other factors that could affect the public trading or other values of the companies to which Ultratech was compared.

(2) Per share figures rounded to the nearest \$0.05.

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Selected Precedent Transactions Analysis. BofA Merrill Lynch reviewed, to the extent publicly available, financial information relating to the following 18 selected transactions involving companies in the semiconductor equipment industry:

Announcement Date	Acquiror	Target
June 15, 2016	ASML Holding N.V.	Hermes Microvision, Inc.
May 23, 2016	Fujian Grand Chip Investment Fund LP	AIXTRON SE
February 23, 2016	MKS Instruments, Inc.	Newport Corporation
February 4, 2016	FormFactor, Inc.	Cascade Microtech, Inc.
December 1, 2015	Beijing E-Town Dragon Semiconductor Industry	Mattson Technology, Inc.
	Investment Center (Limited Partnership)	
October 21, 2015	Lam Research Corporation	KLA-Tencor Corporation
October 6, 2015	Bruker Corporation	Jordan Valley Semiconductors Ltd.
December 29, 2014	Kulicke & Soffa Industries, Inc.	Assembléon B.V.
December 4, 2014	Veeco Instruments Inc.	Solid State Equipment Holdings LLC
July 7, 2014	Orbotech Ltd.	SPTS Technologies Group Limited
February 4, 2014	Entegris, Inc.	ATMI, Inc.
October 29, 2012	Brooks Automation, Inc.	Crossing Automation Inc.
October 17, 2012	ASML Holding N.V.	Cymer, Inc.
August 13, 2012	Tokyo Electron Limited	FSI International, Inc.
December 14, 2011	Lam Research Corporation	Novellus Systems, Inc.
September 14, 2011	Teradyne, Inc.	LitePoint Corporation
May 4, 2011	Applied Materials, Inc.	Varian Semiconductor Equipment
		Associates, Inc.
March 28, 2011	Advantest Corporation	Verigy Ltd.

BofA Merrill Lynch reviewed, among other things, transaction values, calculated as the enterprise value implied for the target company based on the consideration payable in the selected transaction, as a multiple of the target company's one-year forward ("NTM") estimated EBITDA. This analysis indicated the following multiples for the selected precedent transactions: (3)

		Transaction	EV/
		Value	NTM
Acquiror	Target	(\$ millions)	EBITDA
ASML Holding N.V.	Hermes Microvision, Inc.	2,804.3	23.1x
Fujian Grand Chip Investment Fund LP	AIXTRON SE	555.2	NM
MKS Instruments, Inc.	Newport Corporation	984.6	8.8x
FormFactor, Inc.	Cascade Microtech, Inc.	316.2	11.3x
Beijing E-Town Dragon Semiconductor	Mattson Technology, Inc.	261.8	NM
Industry Investment Center (Limited			
Partnership)			
Lam Research Corporation	KLA-Tencor Corporation	11,470.7	12.6x
Bruker Corporation	Jordan Valley Semiconductors Ltd.	53.0	NA
Kulicke & Soffa Industries, Inc.	Assembléon B.V.	98.0	NA
Veeco Instruments Inc.	Solid State Equipment Holdings LLC	150.0	NA
Orbotech Ltd.	SPTS Technologies Group Limited	370.0	8.2x
Entegris, Inc.	ATMI, Inc.	969.9	8.9x
Brooks Automation, Inc.	Crossing Automation Inc.	63.0	NA
ASML Holding N.V.	Cymer, Inc.	2,388.6	30.2x
Tokyo Electron Limited	FSI International, Inc.	200.5	7.8x
Lam Research Corporation	Novellus Systems, Inc.	3,156.4	11.1x
Teradyne, Inc.	LitePoint Corporation	510.0	NA
Applied Materials, Inc.	Varian Semiconductor Equipment	4,335.3	13.0x
	Associates, Inc.		
Advantest Corporation	Verigy Ltd.	676.8	7.3x

(3)

Figures for the selected precedent transactions involving ASML / Hermes Microvision and ASML / Cymer were excluded from the calculation of the low, median and high. Figures for NTM EBITDA for the selected precedent transactions involving Fujian Grand Chip Investment Fund / Axitron, Beijing E-Town Dragon Semiconductor Industry Investment Center (Limited Partnership) / Mattson

Technology, Inc., Bruker Corporation / Jordan Valley Semiconductors Ltd., Kulicke & Soffa Industries, Inc. / Assembléon B.V., Veeco Instruments Inc. / Solid State Equipment Holdings LLC, Brooks Automation, Inc. / Crossing Automation Inc., and Teradyne, Inc. / LitePoint Corporation were not available or not meaningful and were excluded from the calculation of the low, median and high.

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Selected Precedent Transactions	EV / NTM EBITDA
Low	7.3x
Median	8.9x
High	13.0x

BofA Merrill Lynch then applied NTM EBITDA multiples of 8.5x to 11.5x, derived from the selected transactions to Ultratech's NTM estimated EBITDA. Estimated financial data of the selected transactions were based on publicly available information at the time of announcement of the relevant transaction. Estimated financial data of Ultratech were based on the Ultratech Management Projections. This analysis indicated the following approximate implied per share equity value reference range for Ultratech, as compared to the merger consideration:

Implied Per Share Equity Value Reference Range for Ultratech(4)	Merger (Consideration
2017E EBITDA		
\$25.30 - \$30.75	\$	28.64

No company, business or transaction used in this analysis is identical or directly comparable to Ultratech or the merger. Accordingly, an evaluation of the results of this analysis is not entirely mathematical. Rather, this analysis involves complex considerations and judgments concerning differences in financial and operating characteristics and other factors that could affect the acquisition or other values of the companies, business segments or transactions to which Ultratech and the merger were compared.

Discounted Cash Flow Analysis. BofA Merrill Lynch performed a discounted cash flow analysis of Ultratech to calculate the estimated present value of the standalone unlevered, after-tax free cash flows that Ultratech was forecasted to generate during Ultratech's fiscal years 2017 through 2021 based on the Ultratech Management Projections. BofA Merrill Lynch calculated terminal values for Ultratech by applying an illustrative range of perpetuity growth rates of 1.0% to 3.0% to Ultratech's calendar year 2021 free cash flow. The free cash flows and terminal values were then discounted to present value as of December 31, 2016 using discount rates ranging from 12.0% to 15.0%, which were based on an estimate of Ultratech's weighted average cost of capital derived by using the capital asset pricing model and taking into account the risk free rate, the levered beta of Ultratech, the historical equity market risk premium, the estimated cost of debt of Ultratech, and a size premium based on the market capitalization of Ultratech. This analysis indicated the following approximate implied per share equity value reference range for Ultratech as compared to the merger consideration:

	Implied Per Share Equity Value Reference Range for Ultratech(5)	Merger Con	sideration
	\$24.90 - \$31.65	\$	28.64
0.1	T .		

Other Factors.

BofA Merrill Lynch also noted certain additional factors that were not considered part of BofA Merrill Lynch's material financial analyses with respect to the opinion but were referenced for informational purposes, including, among other things, the following:

historical trading prices and trading volumes of Ultratech common stock, which indicated low and high closing prices for Ultratech common stock during the 52-week period ended January 31, 2017 of approximately \$17.55 to \$26.32 per share, respectively;

selected Wall Street research analyst estimates for Ultratech's revenue and non-GAAP earnings per share for calendar years 2016 and 2017, and price targets of selected Wall Street research

(4) Per share figures rounded to the nearest \$0.05.

(5) Per share figures rounded to the nearest \$0.05.

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analysts found in recently published, publicly available Wall Street research analyst reports, which indicated an illustrative range of approximately \$17.60 to \$26.45 per share when discounted to present value at an illustrative cost of equity of 13.5 percent;

the results of an illustrative pro forma accretion/dilution analysis based on estimated financial data in publicly available Wall Street research analyst estimates for Veeco and the Ultratech Management Projections, which indicated that based on the merger consideration, the merger would be accretive to Veeco's estimated non-GAAP earnings per share for calendar year 2017. The actual results achieved by the combined company may vary from projected results and the variations may be material; and

the illustrative range of per share equity values for Ultratech derived by performing the analyses described above in the sections entitled "Selected Publicly Traded Companies Analysis" and "Selected Precedent Transactions Analysis" using estimated financial data of Ultratech based on publicly available Wall Street research analysts' estimates for Ultratech. This analysis indicated the approximate per share equity value reference ranges for Ultratech, based on the following respective multiples: (i) EV/EBITDA \$21.30 to \$27.05; (ii) Price/Non-GAAP EPS \$14.40 to \$25.80; and (iii) Transaction Value/NTM EBITDA \$22.05 to 26.35.

Miscellaneous

As noted above, the discussion set forth above in the section entitled "Ultratech Financial Analyses" is a summary of the material financial analyses presented by BofA Merrill Lynch to Ultratech's board of directors in connection with its opinion and is not a comprehensive description of all analyses undertaken by BofA Merrill Lynch in connection with its opinion. The preparation of a financial opinion is a complex analytical process involving various determinations as to the most appropriate and relevant methods of financial analysis and the application of those methods to the particular circumstances and, therefore, a financial opinion is not readily susceptible to partial analysis or summary description. BofA Merrill Lynch believes that its analyses summarized above must be considered as a whole. BofA Merrill Lynch further believes that selecting portions of its analyses and the factors considered or focusing on information presented in tabular format, without considering all analyses and factors or the narrative description of the analyses, could create a misleading or incomplete view of the processes underlying BofA Merrill Lynch's analyses and opinion. The fact that any specific analysis has been referred to in the summary above is not meant to indicate that such analysis was given greater weight than any other analysis referred to in the summary.

In performing its analyses, BofA Merrill Lynch considered industry performance, general business and economic conditions and other matters, many of which are beyond the control of Ultratech and Veeco. The estimates of the future performance of Ultratech and Veeco in or underlying BofA Merrill Lynch's analyses are not necessarily indicative of actual values or actual future results, which may be significantly more or less favorable than those estimates or those suggested by BofA Merrill Lynch's analyses. These analyses were prepared solely as part of BofA Merrill Lynch's analysis of the fairness, from a financial point of view, of the merger consideration and were provided to Ultratech's board of directors in connection with the delivery of BofA Merrill Lynch's opinion. The analyses do not purport to be appraisals or to reflect the prices at which a company might actually be sold or the prices at which any securities have traded or may trade at any time in the future. Accordingly, the estimates used in, and the ranges of valuations resulting from, any particular analysis described above are inherently subject to substantial uncertainty and should not be taken to be BofA Merrill Lynch's view of the actual values of Ultratech or Veeco.

The type and amount of consideration payable in the merger was determined through negotiations between Ultratech and Veeco, rather than by any financial advisor, and was approved by Ultratech's board of directors. The decision to enter into the merger agreement was solely that of Ultratech's board of directors. As described above, BofA Merrill Lynch's opinion and analyses were only one of

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many factors considered by Ultratech's board of directors in its evaluation of the proposed merger and should not be viewed as determinative of the views of Ultratech's board of directors or management with respect to the merger or the merger consideration.

Ultratech has agreed to pay BofA Merrill Lynch for its services in connection with the merger an aggregate fee currently estimated to be approximately \$12 million, \$1 million of which was payable upon the delivery of its opinion and the remaining portion of which is contingent upon the completion of the merger. Ultratech also has agreed to reimburse BofA Merrill Lynch for its expenses incurred in connection with BofA Merrill Lynch's engagement and to indemnify BofA Merrill Lynch, any controlling person of BofA Merrill Lynch and each of their respective directors, officers, employees, agents and affiliates against specified liabilities, including liabilities under the federal securities laws.

BofA Merrill Lynch and its affiliates comprise a full service securities firm and commercial bank engaged in securities, commodities and derivatives trading, foreign exchange and other brokerage activities, and principal investing as well as providing investment, corporate and private banking, asset and investment management, financing and financial advisory services and other commercial services and products to a wide range of companies, governments and individuals. In the ordinary course of their businesses, BofA Merrill Lynch and its affiliates may invest on a principal basis or on behalf of customers or manage funds that invest, make or hold long or short positions, finance positions or trade or otherwise effect transactions in the equity, debt or other securities or financial instruments (including derivatives, bank loans or other obligations) of Ultratech, Veeco and certain of their respective affiliates.

BofA Merrill Lynch and its affiliates in the past have provided, currently are providing, and in the future may provide, investment banking, commercial banking and other financial services to Ultratech and certain of its affiliates and have received or in the future may receive compensation for the rendering of these services, including (i) having acted or acting as a manager for a share repurchase program of Ultratech and (ii) having provided or providing certain treasury management products and services to Ultratech and/or certain of its affiliates. From February 1, 2015 through January 31, 2017, BofA Merrill Lynch and its affiliates derived aggregate revenues from Ultratech and its affiliates of less than \$1 million for investment and corporate banking services.

In addition, BofA Merrill Lynch and its affiliates in the past have provided, currently are providing, and in the future may provide, investment banking, commercial banking and other financial services to Veeco and certain of its affiliates and have received or in the future may receive compensation for the rendering of these services, including (i) having acted or acting as a lender under certain letters of credit of Veeco and/or certain of its affiliates, (ii) having provided or providing certain foreign exchange and other trading services to Veeco and/or certain of its affiliates and (iii) having provided or providing certain treasury management products and services to Veeco and/or certain of its affiliates. From February 1, 2015 through January 31, 2017, BofA Merrill Lynch and its affiliates derived aggregate revenues from Veeco and its affiliates of less than \$1 million for investment and corporate banking services.

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Certain Unaudited Prospective Ultratech and Veeco Financial Information

Projections with respect to Ultratech

Ultratech generally does not disclose projections of its expected future financial performance or position because of, among other things, the inherent difficulty of accurately predicting financial performance for future periods and the possibility that the underlying assumptions and estimates may prove incorrect. While Ultratech has not generally published financial projections, it has, from time to time, in its earnings conference calls, disclosed estimated ranges for its revenue and earnings per share for the immediately succeeding calendar quarter.

In connection with the strategic review process conducted by the Ultratech board, Ultratech management prepared non-public financial projections and operating data for Ultratech as a stand-alone company, without giving effect to the merger, in late 2016 with respect to fiscal years 2017 and 2018 (which we refer to as the "Near Term Ultratech Management Projections") and with respect to fiscal years 2019 through 2021 (which we refer to as the "Extended Ultratech Management Projections" and together with the Near Term Ultratech Management Projections, the "Ultratech Management Projections"). The Ultratech Management Projections reflected Ultratech management's view of Ultratech's future financial prospects as of late 2016. The Ultratech Management Projections assumed that Ultratech's business would achieve revenue growth over the forecast period, supporting a compound annual growth rate ("CAGR") of 20.1% from 2016 to 2018 and of 3.8% from 2018 to 2021 for overall Ultratech revenue. Ultratech management did not update such projections to take into account a variety of detailed assumptions or other matters that have changed since the preparation of the projections, such as Ultratech's actual 2017 financial performance, further consolidation within the semiconductor industry, changes to general economic or sector conditions, geopolitical matters, the effects that the strategic review process may have had on Ultratech's business, or the restrictions on the conduct of Ultratech's business imposed by the terms of the merger agreement. The Ultratech Management Projections were based solely upon information available to Ultratech management at the time of their preparation. The Ultratech Management Projections were provided to the Ultratech board and to Ultratech's financial advisor. Ultratech also provided the Near Term Ultratech Management Projections to Veeco.

The summary set forth below includes the unaudited prospective Ultratech financial information which is referred to as "Ultratech Management Projections." The Ultratech Management Projections were not prepared with a view toward public disclosure, and the inclusion of the summary Ultratech Management Projections below should not be regarded as an indication that any of Ultratech, Veeco or any other recipient of this information considered, or now considers, it to be necessarily predictive of actual future results. The Ultratech Management Projections were developed based solely upon information available at the time of their preparation.

In addition, the Ultratech Management Projections were not prepared on a basis designed to comply with the guidelines established by the American Institute of Certified Public Accountants with respect to the preparation and presentation of projections. Neither of Ultratech's nor Veeco's independent registered public accounting firms, which are listed as experts in the section entitled "Experts" beginning on page 141 of this proxy statement/prospectus, nor any other independent accountants, has compiled, examined or performed any procedures with respect to the Ultratech Management Projections summarized below, nor expressed any opinion or any other form of assurance on this information or its achievability, and assumes no responsibility for, and disclaims any association with, the Ultratech Management Projections. The reports of the independent registered public accounting firms included or incorporated by reference in this proxy statement/prospectus relate to historical financial statements. They do not extend to any prospective financial information and should not be seen to do so.

Although presented with numerical specificity, the Ultratech Management Projections were developed in accordance with variables, estimates and assumptions that are inherently uncertain,

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susceptible to multiple interpretations and may be beyond the control of Ultratech, and which may prove not to have been, or to no longer be, accurate. While in the view of Ultratech's management, the Ultratech Management Projections were developed on bases that were reasonable at the time of their preparation, the Ultratech Management Projections are subject to many risks and uncertainties. Important factors that may affect actual results and cause actual results to differ materially from the Ultratech Management Projections include risks and uncertainties relating to Ultratech's businesses (including the effects that the pending merger may have on Ultratech's business), industry performance, the regulatory environment, general business and economic conditions, market and financial conditions, transactions or events that were not anticipated at the time the Ultratech Management Projections were prepared, various risks set forth in Ultratech's reports filed with the Securities and Exchange Commission, and other factors described or referenced in the section entitled "Special Note Regarding Forward-Looking Statements" beginning on page 46 of this proxy statement/prospectus.

The Ultratech Management Projections also do not take into account any circumstances, transactions or events occurring after the date the Ultratech Management Projections were prepared. Accordingly, actual results have differed and will likely continue to differ, and may differ materially, from those contained in the Ultratech Management Projections. Neither Ultratech nor Veeco can assure you that the financial results in the Ultratech Management Projections will be realized, or that future financial results of Ultratech will not materially vary from those in the Ultratech Management Projections.

None of Ultratech, Veeco or their respective affiliates, officers, directors, or other representatives gives any Ultratech stockholder, or any other person, any assurance that actual results will not differ materially from the Ultratech Management Projections, and, except as otherwise required by law, none of them undertakes any obligation to update or otherwise revise or reconcile the Ultratech Management Projections to reflect circumstances after the date the Ultratech Management Projections were generated, or to reflect the occurrence of future events, even in the event that any or all of the assumptions and estimates underlying the Ultratech Management Projections are shown to be in error.

No one has made or makes any representation to any Ultratech stockholder, or anyone else regarding, nor assumes any responsibility for the validity, reasonableness, accuracy or completeness of the Ultratech Management Projections. You are cautioned not to rely on the Ultratech Management Projections. The inclusion of this information should not be regarded as an indication that Ultratech, Veeco or any other recipient of this information considered, or now considers, it to be material or to be a reliable prediction of actual future results. The Ultratech Management Projections have not been included to influence Ultratech stockholders' decision to vote for the adoption of the merger agreement.

The Ultratech Management Projections included below cover multiple years, and this information by its nature becomes subject to greater uncertainty with each successive year. The Ultratech Management Projections should be evaluated, if at all, in conjunction with the historical financial statements and other information contained in this proxy statement/prospectus and Ultratech's public filings with the Securities and Exchange Commission incorporated by reference herein.

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The following tables present summaries of the Ultratech Management Projections for the fiscal years 2017 through 2021. The dollar amounts below are in millions rounded to the nearest tenth of a million, and, accordingly, certain dollar amounts may not total.

Ultratech Management Projections (in millions)

	2	2017E	2	2018E	2	2019E	2	2020E	2	2021E
Revenue	\$	232.4	\$	279.7	\$	254.2	\$	295.0	\$	312.9
Gross Profit	\$	118.2	\$	150.2	\$	130.8	\$	154.3	\$	169.7
GAAP Operating Income	\$	35.5	\$	69.9	\$	56.8	\$	82.2	\$	98.8
Non-GAAP Operating Income ⁽¹⁾	\$	47.2	\$	78.9	\$	60.9	\$	84.3	\$	99.7
EBITDA ⁽²⁾	\$	53.0	\$	85.4	\$	66.9	\$	90.8	\$	106.2

As used in this section of this proxy statement/prospectus, Non-GAAP Operating Income adjusts GAAP Operating Income to exclude the effects of stock-based compensation expense (which is shown in the table below) and amortization of purchased intangible assets (which amortization amounts are \$1.7 million, \$1.6 million, \$1.1 million, \$0.8 million and \$0.7 million for the years 2017E through 2021E, respectively).

As used in this section of this proxy statement/prospectus, EBITDA adjusts GAAP Operating Income to exclude the effects of stock-based compensation expense and depreciation (both of which are shown in the table below), together with amortization of purchased intangible assets (which amortization amounts are \$1.7 million, \$1.6 million, \$1.1 million, \$0.8 million and \$0.7 million for the years 2017E through 2021E, respectively).

In addition to the Ultratech Management Projections, certain projections of Ultratech's free cash flows were derived from the Ultratech Management Projections for the purpose of Ultratech's financial advisor performing certain of its financial analyses. Such derived free cash flows, as well as the projected components thereof, were approved by Ultratech management for use by Ultratech's financial advisor.

The following table presents in summary form such projected estimated free cash flows, as well as the related projected components thereof. The dollar amounts below are in millions rounded to the nearest tenth of a million, and, accordingly, certain dollar amounts may not total.

(in millions)	2	017E	2	018E	2	019E	2	020E	2021E
Non-GAAP Operating Income	\$	47.2	\$	78.9	\$	60.9	\$	84.3	\$ 99.7
Less: Taxes		(0.4)		(0.4)		(21.3)		(29.5)	(34.9)
Tax-Effected Operating Income		46.8		78.5		39.6		54.8	64.8
Plus: Depreciation		5.8		6.5		6.0		6.5	6.5
Less: Stock-based Compensation		(10.1)		(7.4)		(3.2)		(1.3)	(0.2)
Plus: Tax Effect of Stock-based Compensation		0.1		0.0		1.2		0.5	0.1
Less: Capital Expenditures		(5.0)		(5.0)		(5.0)		(5.0)	(5.0)
Less: Changes in Working Capital		18.9		(2.0)		7.5		(4.7)	(5.4)
Free Cash Flow	\$	56.6	\$	70.6	\$	46.0	\$	50.7	\$ 60.8

Projections with respect to Veeco

Veeco generally does not disclose projections of its expected future financial performance or position because of, among other things, the inherent difficulty of accurately predicting financial performance for future periods and the possibility that the underlying assumptions and estimates may prove incorrect. While Veeco has not generally published financial projections, it has, from time to

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time, in its earnings press releases, published estimated ranges for its revenue and non-GAAP gross margin and operating expenses for the immediately succeeding calendar quarter.

For the purposes of performing an illustrative analysis of Veeco pro forma for the merger, Ultratech's financial advisor used estimates of Veeco's financial performance for the calendar year ending December 31, 2017 based on publicly available research analysts' consensus estimates which we refer to as the "Veeco Street Case." Research analysts do not have access to non-public information affecting Veeco and projections were only available through 2018. The views of research analysts are not necessarily predictive of future performance and may change from time to time. The inclusion of the Veeco Street Case below should not be regarded as an indication that any of Veeco, Ultratech or any other recipient of this information considered, or now considers, it to be necessarily predictive of actual future results.

In addition, the Veeco Street Case was not prepared on a basis designed to comply with the guidelines established by the American Institute of Certified Public Accountants with respect to the preparation and presentation of projections. Neither of Ultratech's nor Veeco's independent registered public accounting firms, which are listed as experts in the section entitled "Experts" beginning on page 141 of this proxy statement/prospectus, nor any other independent accountants, has compiled, examined or performed any procedures with respect to the Veeco Street Case summarized below, nor expressed any opinion or any other form of assurance on this information or its achievability, and assumes no responsibility for, and disclaims any association with, the Veeco Street Case. The reports of the independent registered public accounting firms included or incorporated by reference in this proxy statement/prospectus relate to historical financial statements. They do not extend to any prospective financial information and should not be seen to do so.

Although presented with numerical specificity, the Veeco Street Case reflect the use of variables, estimates and assumptions that are inherently uncertain, susceptible to multiple interpretations and may be beyond the control of Veeco, and which may prove not to have been, or to no longer be, accurate. The Veeco Street Case is subject to many risks and uncertainties. Important factors that may affect actual results and cause actual results to differ materially from the Veeco Street Case financial information include risks and uncertainties relating to Veeco's businesses (including the effects that the pending merger may have had on Veeco's business), industry performance, the regulatory environment, general business and economic conditions, market and financial conditions, transactions or events that may not have been anticipated at the times the various projections underlying the Veeco Street Case were prepared, various risks set forth in Veeco's reports filed with the Securities and Exchange Commission, and other factors described or referenced in the section entitled "Special Note Regarding Forward-Looking Statements" beginning on page 46 of this proxy statement/prospectus.

Actual results have differed and will likely continue to differ, and may differ materially, from those contained in the Veeco Street Case. Neither Ultratech nor Veeco can assure you that the financial results in the Veeco Street Case will be realized, or that future financial results of Veeco will not materially vary from those in the Veeco Street Case.

None of Veeco, Ultratech or their respective affiliates, officers, directors, or other representatives gives any Veeco stockholder, or any other person, any assurance that actual results will not differ materially from the Veeco Street Case, and, except as otherwise required by law, none of them undertakes any obligation to update or otherwise revise or reconcile the Veeco Street Case to reflect circumstances after the dates of the various projections underlying the Veeco Street Case were generated, or to reflect the occurrence of future events, even in the event that any or all of the assumptions and estimates underlying the Veeco Street Case is shown to be in error.

No one has made or makes any representation to any Veeco stockholder, or anyone else regarding, nor assumes any responsibility for the validity, reasonableness, accuracy or completeness of the Veeco Street Case. You are cautioned not to rely on the Veeco Street Case. The inclusion of this information should not be regarded as an indication that Ultratech, Veeco or any other recipient of this information considered, or now considers, it to be material or to be a reliable prediction of actual future results.

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The Veeco Street Case has not been included to influence Ultratech stockholders' decision to vote for the adoption of the merger agreement.

The Veeco Street Case included below covers multiple years, and this information by its nature becomes subject to greater uncertainty with each successive year. The Veeco Street Case should be evaluated, if at all, in conjunction with the historical financial statements and other information contained in this proxy statement/prospectus and Veeco's public filings with the Securities and Exchange Commission incorporated by reference herein.

The following table presents a summary of the Veeco Street Case for the fiscal years 2017 and 2018. The dollar amounts below are in millions, rounded to the nearest tenth of a million dollars, other than per share data.

Veeco Street Case

	2017E		2	2018E
Revenue	\$	411.4	\$	461.6
Gross Profit		167.8		194.8
EBITDA(1)		53.0		80.9
Operating Income		38.0		64.2
Non-GAAP Net Income(2)		22.7		38.4
Non-GAAP Earnings Per Share(3)		0.59		0.96

- (1)
 As used in this section of this proxy statement/prospectus, EBITDA adjusts GAAP Net Income by excluding, share based compensation, amortization, depreciation, restructuring charges, asset impairment charges, acquisition related expenses, other non-recurring items, interest and income taxes.
- As used in this section of this proxy statement/prospectus, Non-GAAP Net Income adjusts GAAP Net Income by excluding, share based compensation, amortization, restructuring charges, asset impairment charges, acquisition related expenses, non-cash interest expense on Convertible Notes and other non-recurring items, net of income tax effect.
- As used in this section of this proxy statement/prospectus, Non-GAAP Earnings Per Share adjusts GAAP Earnings Per Share by excluding the per share impact of, share based compensation, amortization, restructuring charges, asset impairment charges, acquisition related expenses, non-cash interest expense on Convertible Notes and other non-recurring items, net of income tax effect.

Due to the forward-looking nature of the Veeco Street Case, specific quantifications of the amounts that would be required to reconcile it to GAAP measures are not available.

Interests of Ultratech's Directors and Executive Officers in the Merger

In considering the recommendation of the Ultratech Board with respect to the merger, you should be aware that some of Ultratech's directors and executive officers have interests in the merger that are different from, or in addition to, the interests of Ultratech's stockholders generally. As described in more detail below, these interests include payments and benefits that are expected to be provided to the directors and executive officers upon consummation of the merger or in connection with termination of their employment under certain circumstances following the merger.

Consideration for Shares at the Effective Time of the Merger

At the effective time of the merger, shares of Ultratech common stock beneficially owned by the executive officers and directors of Ultratech will be converted into the right to receive the same cash and stock consideration on the same terms and conditions as the other stockholders of Ultratech. See

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the section entitled "The Merger Agreement Merger Consideration" beginning on page 100 of this proxy statement/prospectus.

As of February 28, 2017, Ultratech's directors and executive officers beneficially owned, in the aggregate, 926,674 shares of Ultratech common stock, excluding vested and unvested equity awards, which are discussed below under "Treatment of Equity Awards Held by Ultratech's Directors and Executive Officers." Assuming the merger was consummated on June 1, 2017 and Ultratech's directors and executive officers continue to beneficially own, in the aggregate, 926,674 shares of Ultratech common stock until such time, Ultratech's executive officers and directors will be entitled to receive an aggregate of \$20,155,160 in cash, without interest and less any applicable withholding taxes, and 247,885 shares of Veeco common stock (which is valued at \$6,779,655 using the closing stock price of Veeco common stock on Nasdaq on February 28, 2017 of \$27.35 per share), in the merger in exchange for those shares of Ultratech common stock.

Treatment of Equity Awards Held by Ultratech's Directors and Executive Officers

The equity compensation held by directors and executive officers of Ultratech will generally be treated in the merger in the same manner as similar awards held by other employees of Ultratech. See the section entitled "The Merger Agreement Treatment of Ultratech Options and Other Equity-Based Awards" beginning on page 101 of this proxy statement/prospectus. For the estimated amounts that would be payable to Ultratech's executive officers as a group and Ultratech's non-employee directors as a group for their Ultratech Options and their Ultratech Vested RSUs, as well as the aggregate number of Converted RSUs deliverable to Ultratech's executive officers as a group and Ultratech's non-employee directors as a group for their Ultratech Unvested RSUs, please see the section titled "Interests of Ultratech's Directors and Executive Officers in the Merger" beginning on page 88 of this proxy statement/prospectus.

In addition, pursuant to the employment agreements and change in control severance agreements described below, the unvested equity awards held by the named executive officers may accelerate in full upon the merger, or, in certain circumstances, the executive's termination of employment following the merger. For information on the acceleration provisions of these agreements, please see "Employment Agreements, Incentive Awards and Change in Control Severance Agreements with Ultratech's Executive Officers" below. For an estimate of the amounts that would be payable to each of Ultratech's named executive officers in connection with any acceleration of their Ultratech equity awards, see the section entitled "Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of this proxy statement/prospectus.

Employment Agreements, Incentive Awards and Change in Control Severance Agreements with Ultratech's Executive Officers

Employment Agreements

Ultratech has entered into employment agreements with each of Arthur W. Zafiropoulo and Bruce R. Wright (each, an "Employment Agreement"), which provide for a base salary, target annual incentive compensation, lifetime retiree health care coverage, and severance benefits in the event such executive officer experiences certain qualifying terminations, either outside a change in control or in connection with a change in control.

Under Mr. Zafiropoulo's Employment Agreement, if Mr. Zafiropoulo's employment terminates for any reason in connection with a change of control, then he will receive (i) the outstanding unvested balance of the bonuses earned for prior years, (ii) 24 months of continued base salary at the rate then in effect (or, if greater, in effect immediately prior to the change of control) and (iii) continued use of a company car for 24 months. In addition, regardless of whether Mr. Zafiropoulo's employment is terminated in connection with a change of control, all of Mr. Zafiropoulo's outstanding stock options and restricted stock unit awards (except the restricted stock unit award granted to Mr. Zafiropoulo in 2017) will automatically vest in full upon a change of control, and the time for exercising his

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outstanding options will be extended for a period of up to one year and 90 days measured from the termination date of his employment following the change in control. The merger constitutes a "change in control" under Mr. Zafiropoulo's Employment Agreement.

Should Mr. Zafiropoulo incur an excise tax under Section 4999 of the Internal Revenue Code with respect to any payments he receives that constitute a parachute payment under applicable federal tax laws, then he will receive a full tax gross-up payment to cover such excise tax and any income and employment taxes that apply to the gross-up payment.

In addition, Mr. Zafiropoulo is also entitled to reimbursement from Ultratech for the costs incurred to obtain lifetime retiree health care coverage (medical and dental) for himself and his spouse. To the extent such reimbursements become taxable to Mr. Zafiropoulo or his spouse, he will be entitled to a full tax gross-up to cover the taxes attributable to such reimbursements and any taxes that apply to the gross-up payment.

Under Mr. Wright's Employment Agreement, if Mr. Wright's employment terminates for any reason in connection with a change of control, then he will receive (i) the outstanding unvested balance of the bonuses earned for prior years, (ii) 24 months of continued base salary at the rate then in effect (or, if greater, in effect immediately prior to the change of control) and (iii) reimbursement of the costs incurred by him to obtain lifetime retiree health care coverage for himself and his spouse to the extent those costs exceed the amount charged an active employee of Ultratech for comparable health care coverage. In addition, regardless of whether Mr. Wright's employment is terminated in connection with a change of control, all of Mr. Wright's outstanding stock options and restricted stock unit awards (except the restricted stock unit award granted to Mr. Wright in 2017) will automatically vest in full upon a change of control, and the time for exercising his outstanding vested options will be extended for a period of up to one year and 90 days measured from the termination date of his employment following the change in control. The merger constitutes a "change in control" under Mr. Wright's Employment Agreement.

With respect to the restricted stock unit awards granted to Mr. Zafiropoulo and Mr. Wright on January 31, 2017, if a change in control occurs and the awards are assumed by the successor or acquirer of Ultratech, the awards' vesting schedules will change from cliff vesting fifty months after the grant date to monthly vesting over the same fifty months, with the portion of the awards that would have vested on or before the change in control vesting on the change in control date. The remaining portion of the awards will not accelerate upon the change in control. However, if the award is assumed and the executive's employment is terminated by Ultratech without cause or by the executive for good reason (as those terms are defined in the Employment Agreement), the award will fully vest upon such termination of employment. The merger constitutes a "change in control" under the award agreements for these grants.

For an estimate of the amounts that would be payable to each of Mr. Zafiropoulo and Mr. Wright pursuant to their respective Employment Agreements if their employment terminates in the circumstances described above, see the section entitled " Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of this proxy statement/prospectus.

Incentive Awards

Each named executive officer has unvested bonuses under Ultratech's Management Incentive Program for each of 2014, 2015 and 2016. All unvested bonuses that have been awarded under Ultratech's Management Incentive Program will become fully vested upon the closing of the merger.

Ultratech entered into long-term cash award agreements with each of Mr. Zafiropoulo and Mr. Wright in March 2015 (each, a "Long-Term Award Agreement"). One-half of the executive's target award amount would be eligible to vest if, for a period of 15 consecutive trading days ending on or before December 31, 2017, the closing price of the Company's common stock exceeded \$22.80, and the

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remaining one-half of the target award amount would be eligible to vest if, for a period of 15 consecutive trading days ending on or before December 31, 2017, the closing price of the Company's common stock exceeded \$28.05. The award will generally be eligible to vest only if the executive's employment with Ultratech continues through the date the applicable stock price target is achieved. If a stock price goal is met, twenty-five percent of the amount awarded to the executive and eligible to vest with respect to that goal will immediately vest and be paid, while the remaining seventy-five percent of that amount will vest over a three-year period thereafter, subject to the executive's continued service with the Company through the applicable vesting date. However, if the executive's employment terminates due to his death or disability or in circumstances that would trigger the severance benefits provided in his Employment Agreement, any portion of the award that is subject only to time-based vesting will fully vest and be paid on his termination of employment. Mr. Zafiropoulo's target award amount was \$2,800,000, and Mr. Wright's target award amount was \$1,000.000.

The Long-Term Award Agreements also provide that, if a change in control occurs on or before December 31, 2019 and the executive's employment with Ultratech continues through the change in control (or his employment is involuntarily terminated in connection with the change in control) then: (1) any portion of the award that is subject only to time-based vesting will fully vest and be paid; and (2) if the consideration paid for a share of Ultratech's common stock in the transaction is \$22.80 or more and the executive had not yet earned the full amount of his target award opportunity based on stock price, the executive will be entitled to payment of an additional portion of such target award (determined by applying such per share consideration to the \$22.80 and \$28.05 goals above, and pro-rating the target award opportunity if such per share consideration falls between those goals) less any portion of the target award amount that had been earned based on stock price performance prior to the change in control. In no event will the amount paid under an award exceed the executive's target award amount set forth above. The merger constitutes a "change in control" under the Long-Term Award Agreements.

The stock price goal of \$22.80 was achieved on July 29, 2016 and the stock price goal of \$28.05 was achieved on February 23, 2017. Accordingly, upon the closing of the merger, the remaining portion of each executive's target award allocated to these goals that is subject to time-based vesting will fully vest and be payable.

For an estimate of the amounts that would be payable to each of Mr. Zafiropoulo and Mr. Wright pursuant to the Management Incentive Program and the Long-Term Cash Award Agreements, see the section entitled " Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of this proxy statement/prospectus.

Stock options and restricted stock units granted by Ultratech prior to January 31, 2017 generally provide that they will become fully vested upon an Ultratech "corporate transaction." The merger constitutes such a "corporate transaction" under the award agreements for these grants. The restricted stock unit awards granted by Ultratech on January 31, 2017 will not fully accelerate on the merger. Ultratech's January 31, 2017 awards provide that they will vest fifty months after the date of grant of the awards and, on the merger, the vesting schedule will become a monthly vesting schedule over this same period of fifty months with any portion of the award that would have vested on or prior to the merger under the monthly vesting schedule becoming vested on the merger. The January 31, 2017 awards also provided that, if the award recipient's employment is terminated after the merger in circumstances that entitle the award recipient to severance benefits under his or her employment or change in control severance agreement with Ultratech, the award will fully vest if the termination of employment is without "cause" and, in the event the termination of employment is by the award recipient for "good reason", the award will vest to the extent it would have otherwise vested in the twelve months following the termination (except that the grants to Messrs. Zafiropoulo and Wright will fully vest in the event the award recipient resigns for "good reason").

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Change in Control Severance Agreements

Ultratech has entered into change in control severance agreements with each of Dave Ghosh and Tammy D. Landon (each, a "Change in Control Severance Agreement"). Pursuant to the Change in Control Severance Agreements, Mr. Ghosh and Ms. Landon will be entitled to receive, in the event of a termination of employment without "cause" or a resignation for "good reason" (as the terms are defined in the Change in Control Severance Agreements), in each case within 12 months after a change in control that occurs on or before June 30, 2018:

A lump sum payment in cash equal to the executive's highest annualized rate of base salary from Ultratech in effect at any time in the one year period preceding the termination of employment with Ultratech ("Base Salary Rate");

A lump sum payment in cash equal to 25% of the executive's Base Salary Rate in lieu of any additional cash bonus;

100% acceleration of unvested equity awards outstanding immediately prior to the executive's termination of employment with Ultratech (unless the terms and conditions of the applicable award agreement expressly supersede the Change in Control Severance Agreement);

The amount of any deferred bonus with respect to any completed fiscal year of Ultratech that remains outstanding and unpaid (including any such bonus that remains subject to vesting based on the passage of time and continued service).

In each case, the executive's right to receive these benefits is contingent on the executive signing and not revoking a general release agreement containing a release of claims in favor of Ultratech, The merger constitutes a change of control as defined in the Change in Control Severance Agreement. For an estimate of the amounts that would be payable to each of Mr. Ghosh and Ms. Landon pursuant to their respective Change in Control Severance Agreement if their employment terminates in the circumstances described above, see the section entitled "Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers" beginning on page 92 of this proxy statement/prospectus.

Director and Officer Indemnification and Insurance

Pursuant to the terms of the merger agreement, Veeco has agreed to indemnify and hold harmless the directors and officers of Ultratech for a period of six years following the effective time of the merger. The directors and officers of Ultratech will also be entitled to certain ongoing indemnification and coverage under directors' and officers' liability insurance policies following the effective time of the merger. Such indemnification and insurance coverage is further described in the section entitled "The Merger Agreement Directors' and Officers' Indemnification and Insurance" beginning on page 117 of this proxy statement/prospectus.

Quantification of Change in Control and Termination Payments and Benefits to Ultratech's Named Executive Officers

In accordance with Item 402(t) of Regulation S-K, the table below sets forth the amount of payments and benefits that each of Ultratech's named executive officers may receive in connection with the merger, assuming that the merger was consummated on June 1, 2017 and such named executive officer experienced a termination of employment on that date in circumstances entitling the executive officer to severance benefits under the executive's employment or change in control severance agreement, as the case may be, with the Company. The amounts below are determined using an assumed price per share of Ultratech common stock of \$29.07. As a result of the foregoing assumptions, the actual amounts, if any, to be received by a named executive officer may materially differ from the amounts set forth below.

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Potential Change of Control Payments to Named Executive Officers

Named Executive					I	Perquisites/		
Officer	(Cash (\$) ⁽¹⁾ Equity (\$) ⁽²⁾		Benefits(3)		Total ⁽⁴⁾		
Arthur W. Zafiropoulo	\$	4,077,004	\$	3,125,970	\$	1,137,000	\$	8,339,974
Bruce R. Wright	\$	1,806,596	\$	2,024,708	\$	938,000	\$	4,769,304
Dave Ghosh	\$	435,550	\$	1,896,913			\$	2,332,463
Tammy D. Landon	\$	394,569	\$	1,810,383			\$	2,204,952

Cash. The estimated amounts listed in this column represent the aggregate value of cash severance that each named executive officer would be entitled to receive, in the case of Mr. Zafiropoulo and Mr. Wright, under their respective Employment Agreement upon a "double trigger" qualifying termination, where the executive is terminated for any reason following a change in control, and, in the case of Mr. Ghosh and Ms. Landon, under their respective Change in Control Severance Agreement upon a "double trigger" qualifying termination, where the executive is terminated without "cause" or "good reason" (as the terms are defined in the Change in Control Severance Agreements) during the 12 month period immediately following a change in control that occurs on or prior to June 30, 2018. For additional information see the section entitled " Employment Agreements, Incentive Awards, and Change in Control Severance Agreements with Ultratech's Executive Officers" beginning on page 89 of this proxy statement/prospectus. In addition, this column includes the amounts that will become payable upon the merger to Messrs. Zafiropoulo and Wright under their Long-Term Award Agreements and the unpaid bonuses for all four executives under Ultratech's Management Incentive Program that will accelerate upon the merger, in each case as described above under "Incentive Awards."

The following table quantifies each separate form of cash compensation included in the aggregate total reported in the column.

	Vesting of Long-							
				Term Cash	Accelerated Vesting of			
Named Executive Officer	Cash	Severance (\$)		Award(\$)	Def	ferred Bonuses (\$)		
Arthur W. Zafiropoulo	\$	1,150,000	\$	2,100,000	\$	827,004		
Bruce R. Wright	\$	721,000	\$	750,000	\$	335,596		
Dave Ghosh	\$	375,000			\$	60,550		
Tammy D. Landon	\$	343,750			\$	50,819		

(2)

Equity. Pursuant to their Employment Agreements, each of Mr. Zafiropoulo and Mr. Wright, and pursuant to the applicable award agreements for all of Ultratech's outstanding and unvested equity awards granted to the named executive officers prior to 2017, the named executive officers would be entitled to full accelerated vesting of their then outstanding equity awards upon a change in control, regardless of whether their employment with Ultratech is terminated, except that the restricted stock unit awards granted to each executive in 2017 will fully accelerate only if the award is not assumed by the successor or acquirer of Ultratech or, if the award is assumed, in the case of the awards granted to Messrs. Zafiropoulo and Wright the executive's employment is terminated after the change in control by Ultratech without cause or by the executive for good reason. In addition, pursuant to their Change in Control Severance Agreements, each of Mr. Ghosh and Ms. Landon would be entitled to full accelerated vesting of each of their then outstanding equity awards upon a "double trigger" qualifying termination as described in footnote (1) above, except that they would be entitled to twelve months of additional vesting (rather than full vesting) of their January 2017 restricted stock unit awards in the event they resign for "good reason." In addition, pursuant to the terms of the merger agreement and as described in the section entitled "The Merger Agreement Treatment of Ultratech Options and Other Equity-Based Awards" beginning on page 101 of this proxy statement/prospectus, each of the named executive officer's Ultratech Options outstanding immediately prior to the effective time of the merger will vest, and the

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executive's Ultratech Options and Ultratech Vested RSUs will be settled in accordance with the merger agreement.

For purposes of this table, the value of the accelerated Ultratech Options is equal to \$29.07 less the exercise price multiplied by the number of shares subject to such awards as of February 28, 2017 that are not otherwise scheduled to vest before June 1, 2017. The value of the accelerated Ultratech restricted stock units is equal to \$29.07 multiplied by the number of shares subject to such awards as of February 28, 2017 that are not otherwise scheduled to vest before June 1, 2017.

The following table illustrates the allocation of the aggregate total reported in the column for each named executive officer's (i) Ultratech Options, (ii) Ultratech RSUs that automatically accelerate on a change in control ("single-trigger) and (iii) Ultratech RSUs that accelerate only if a change in control occurs *and* the executive's employment terminates in circumstances that trigger accelerated vesting under the arrangements described above or the award is not assumed by the successor or acquirer in the change in control ("double-trigger"), in each case based on the number of shares subject to the award as of February 28, 2017, assuming a termination of employment without "cause" and, in the case of Ultratech Options and Ultratech RSUs, to the extent the award is not otherwise scheduled to yest before June 1, 2017.

Named Executive Officer	Ac	Aggregate Value of Accelerated Options (\$)		Aggregate Value of Igle-Trigger RSUs (\$)	Aggregate Value of Double-Trigger RSUs (\$)		
Arthur W. Zafiropoulo	\$	102,690	\$	616,284	\$	2,406,996	
Bruce R. Wright	\$	77,018	\$	343,026	\$	1,604,664	
Dave Ghosh	\$	123,643	\$	970,938	\$	802,332	
Tammy D. Landon	\$	103,393	\$	904,658	\$	802,332	

The value of the Ultratech Options held by each named executive officer that are already scheduled to be vested on June 1, 2017 (without regard to the merger) that would be cashed out in the merger, calculated as \$29.07 less the exercise price multiplied by the number of shares subject to such options as of February 28, 2017, is \$1,923,560 for Mr. Zafiropoulo, \$1,999,486 for Mr. Wright, \$356,103 for Mr. Ghosh, and \$253,963 for Ms. Landon.

- Perquisites/Benefits. This column includes the estimated cost to provide lifetime retiree medical coverage for Messrs. Zafiropoulo and Wright pursuant to their respective Employment Agreements. This column also includes \$152,400 attributable to the costs of a company car provided to Mr. Zafiropoulo pursuant to the terms of his Employment Agreement as described above. As noted above, Mr. Zafiropoulo would also be entitled to tax gross-up payments for his taxes incurred in connection with the retiree medical coverage provided in his Employment Agreement. No value has been included in the table above as to this provision of Mr. Zafiropoulo's employment agreement as future tax rates, and the extent to which such benefits would be taxable, are uncertain.
- As noted above, Mr. Zafiropoulo would be entitled to a tax gross-up payment under his Employment Agreement if any payments he receives in connection with the merger would trigger an excise tax under Section 4999 of the Internal Revenue Code. Based on the assumptions noted above, Ultratech estimates that Mr. Zafiropoulo's payments in connection with the merger will not result in any excise tax under Section 4999 and, accordingly, that no gross-up payment will be made to Mr. Zafiropoulo pursuant to this provision of his Employment Agreement.

Regulatory Clearances Required for the Merger

Veeco and Ultratech have each agreed to take certain actions in order to obtain regulatory clearance required to consummate the merger. The merger is subject to the HSR Act. Under this

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statute, Veeco and Ultratech are required to make pre-merger notification filings and await the expiration or early termination of the statutory waiting period prior to completing the merger. Veeco and Ultratech completed the initial HSR Act filings on February 9, 2017. On February 17, 2017, Veeco and Ultratech received notice from the U.S. Federal Trade Commission that it had granted early termination, effective immediately, of the applicable waiting period under the HSR Act with respect to the merger.

During or after the statutory waiting periods and clearance of the merger, and even after completion of the merger, the Federal Trade Commission, the Department of Justice, or other governmental authorities, including any attorney general of any state of the United States, could challenge or seek to block the merger under relevant antitrust laws. In addition, in some jurisdictions, a competitor, customer or other third party could initiate a private action under the antitrust laws challenging or seeking to enjoin the merger, before or after it is completed. Vecco and Ultratech cannot be sure that a challenge to the merger will not be made or that, if a challenge is made, Vecco and/or Ultratech will prevail.

Dividends and Distributions

The merger agreement provides that Ultratech may not pay dividends or other distributions to its stockholders.

Listing of Shares of Veeco Common Stock

It is a condition to the completion of the merger that the shares of Veeco common stock to be issued to Ultratech stockholders in connection with the merger be approved for listing on Nasdaq at or prior to the effective time, subject to official notice of issuance.

Delisting and Deregistration of Ultratech Common Stock

Upon completion of the merger, shares of Ultratech common stock currently listed on Nasdaq will cease to be listed on Nasdaq and will subsequently be deregistered under the Exchange Act.

Appraisal Rights

Holders of shares of Ultratech common stock who do not vote in favor of the adoption of the merger agreement and who properly demand appraisal of their shares will be entitled to appraisal rights in connection with the merger under Section 262 of the DGCL.

The following discussion is not a complete statement of the law pertaining to appraisal rights under the DGCL and is qualified in its entirety by the full text of Section 262 of the DGCL which is attached to this proxy statement/prospectus as Annex C. The following summary does not constitute any legal or other advice nor does it constitute a recommendation that stockholders exercise their appraisal rights under Section 262 of the DGCL.

Under Section 262 of the DGCL, subject to the terms and conditions of Section 262 of the DGCL including Section 262(g) of the DGCL described below, holders of shares of Ultratech common stock who do not vote in favor of the adoption of the merger agreement and who otherwise follow the requirements of and procedures set forth in Section 262 of the DGCL will be entitled to have their shares appraised by the Court of Chancery of the State of Delaware (the "Court of Chancery") and to receive payment in cash of the "fair value" of the shares, exclusive of any element of value arising from the accomplishment or expectation of the merger, as determined by the Court of Chancery, together with interest, if any, to be paid upon the amount determined to be the fair value.

Under Section 262 of the DGCL, where a merger agreement is to be submitted for adoption at a meeting of stockholders, the corporation, not less than 20 days prior to the meeting, must notify each of its stockholders entitled to appraisal rights that appraisal rights are available and include in the notice a copy of Section 262 of the DGCL. This proxy statement/prospectus constitutes that notice, and

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the full text of Section 262 of the DGCL is attached to this proxy statement/prospectus as Annex C. Any holder of Ultratech common stock who wishes to exercise appraisal rights, or who wishes to preserve such holder's right to do so, should review the following discussion and Annex C carefully because failure to timely and properly comply with the procedures specified will result in the loss of appraisal rights. Moreover, because of the complexity of the procedures for exercising the right to seek appraisal of shares of common stock, Ultratech believes that if a stockholder considers exercising such rights, such stockholder should seek the advice of legal counsel.

Filing Written Demand. Any holder of Ultratech common stock wishing to exercise appraisal rights must deliver to Ultratech, before the vote on the adoption of the merger agreement at the special meeting at which the proposal to adopt the merger agreement will be submitted to the Ultratech stockholders, a written demand for the appraisal of the stockholder's shares. A holder of shares of Ultratech common stock wishing to exercise appraisal rights must hold of record the shares on the date the written demand for appraisal is made and must continue to hold the shares of record through the effective date of the merger, since appraisal rights will be lost if the shares are transferred prior to the effective date of the merger. The holder must not vote in favor of the adoption of the merger agreement. A proxy that is submitted and does not contain voting instructions will, unless revoked, be voted in favor of the adoption of the merger agreement, and it will constitute a waiver of the stockholder's right of appraisal and will nullify any previously delivered written demand for appraisal. Therefore, a stockholder who submits a proxy and who wishes to exercise appraisal rights must submit a proxy containing instructions to vote against the adoption of the merger agreement or abstain from voting on the adoption of the merger agreement. Neither voting against the adoption of the merger agreement, nor abstaining from voting or failing to vote on the proposal to adopt the merger agreement, will in and of itself constitute a written demand for appraisal satisfying the requirements of Section 262 of the DGCL. The written demand for appraisal must be in addition to and separate from any proxy or vote on the adoption of the merger agreement. The demand must reasonably inform Ultratech of the identity of the holder as well as the intention of the holder to demand an appraisal of the "fair value" of the shares held by the holder. A stockholder's failure to make the written demand prior to the taking of the vote on the adoption o

Only a holder of record of shares of Ultratech common stock is entitled to demand an appraisal of the shares registered in that holder's name. A demand for appraisal in respect of shares of Ultratech common stock should be executed by or on behalf of the holder of record, fully and correctly, as the holder's name appears on the holder's stock certificates, should specify the holder's name and mailing address and the number of shares registered in the holder's name and must state that the person intends thereby to demand appraisal of the holder's shares in connection with the merger. If the shares are owned of record in a fiduciary capacity, such as by a trustee, guardian or custodian, execution of the demand should be made in that capacity, and if the shares are owned of record by more than one person, as in a joint tenancy and tenancy in common, the demand should be executed by or on behalf of all joint owners. An authorized agent, including an agent for two or more joint owners, may execute a demand for appraisal on behalf of a holder of record; however, the agent must identify the record owner or owners and expressly disclose that, in executing the demand, the agent is acting as agent for the record owner or owners. If the shares are held in "street name" by a broker, bank or nominee, the broker, bank or nominee may exercise appraisal rights with respect to the shares held for one or more beneficial owners while not exercising the rights with respect to the shares held for other beneficial owners; in such case, however, the written demand should set forth the number of shares as to which appraisal is sought and where no number of shares is expressly mentioned the demand will be presumed to cover all shares of Ultratech common stock held in the name of the record owner. Stockholders who hold their shares in brokerage accounts or other nominee forms and who wish to exercise appraisal rights are urged to consult with their brokers to determine the appropriate procedures for the making of a demand for appraisal

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All written demands for appraisal pursuant to Section 262 of the DGCL should be sent or delivered to: Ultratech, Inc., 3050 Zanker Road, San Jose, California 95134 Attn: Bruce Wright.

At any time within 60 days after the effective time, any stockholder who has not commenced an appraisal proceeding or joined that proceeding as a named party may withdraw his, her or its demand for appraisal and accept the merger consideration by delivering to Ultratech, as the surviving corporation, a written withdrawal of the demand for appraisal. Any such attempt to withdraw the demand made more than 60 days after the effective time will require written approval of Ultratech. No appraisal proceeding in the Court of Chancery will be dismissed as to any stockholder without the approval of the Court of Chancery, and such approval may be conditioned upon such terms as the Court of Chancery deems just; provided, however, that any stockholder who has not commenced an appraisal proceeding or joined that proceeding as a named party may withdraw his, her or its demand for appraisal and accept the merger consideration within 60 days after the effective date of the merger. Any stockholder who withdraws his, her or its demand will be deemed to have accepted the terms of the merger agreement, which are summarized in this proxy statement/prospectus and is attached in its entirety as **Annex A**. If the surviving corporation does not approve a request to withdraw a demand for appraisal when that approval is required, or if the Court of Chancery does not approve the dismissal of an appraisal proceeding, the stockholder will be entitled to receive only the appraised value determined in any such appraisal proceeding, which value could be less than, equal to or more than the consideration being offered pursuant to the merger agreement.

Notice by the Surviving Corporation. Within ten days after the effective time, Ultratech, as the surviving corporation must notify each former holder of Ultratech common stock who has made a written demand for appraisal pursuant to Section 262 of the DGCL, and who has not voted in favor of the adoption of the merger agreement, of the date on which the merger became effective.

Filing a Petition for Appraisal. Within 120 days after the effective time, but not thereafter, the surviving corporation or any holder of Ultratech common stock who has complied with Section 262 of the DGCL and is entitled to appraisal rights under Section 262 of the DGCL may commence an appraisal proceeding by filing a petition in the Court of Chancery demanding a determination of the fair value of the shares held by all dissenting holders. The surviving corporation is under no obligation to and has no present intention to file a petition and holders should not assume that the surviving corporation will file a petition or initiate any negotiations with respect to the fair value of the dissenting holders' shares. Accordingly, it is the obligation of the former holders of Ultratech common stock to initiate all necessary action to perfect their appraisal rights in respect of shares of Ultratech common stock within the time prescribed in Section 262 of the DGCL. Within 120 days after the effective time, any holder of Ultratech common stock who has complied with the requirements for exercise of appraisal rights will be entitled, upon written request, to receive from the surviving corporation a statement setting forth the aggregate number of shares not voted in favor of the adoption of the merger agreement and with respect to which demands for appraisal have been received and the aggregate number of holders of such shares. The statement must be mailed within ten days after a written request therefor has been received by the surviving corporation or within ten days after the expiration of the period for delivery of demands for appraisal, whichever is later. Notwithstanding the foregoing, a person who is the beneficial owner of shares of Ultratech common stock held either in a voting trust or by a nominee on behalf of such person may, in such person's own name, file a petition or request from Ultratech the statement described in this paragraph.

If a petition for an appraisal is timely filed by a holder of shares of Ultratech common stock and a copy thereof is served upon the surviving corporation, the surviving corporation will then be obligated within 20 days to file with the Delaware Register in Chancery a duly verified list containing the names and addresses of all stockholders who have demanded an appraisal of their shares and with whom agreements as to the value of their shares have not been reached. After notice to the stockholders as required by the court, the Court of Chancery is empowered to conduct a hearing on the petition to determine those stockholders who have complied with Section 262 of the DGCL and who have become

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entitled to appraisal rights thereunder. The Court of Chancery may require the stockholders who demanded payment for their shares to submit their stock certificates to the Register in Chancery for notation thereon of the pendency of the appraisal proceeding; and if any stockholder fails to comply with the direction, the Court of Chancery may dismiss the proceedings as to the stockholder. Notwithstanding a stockholder's compliance with the foregoing requirements, Section 262(g) of the DGCL provides that, because immediately prior to the effective time of the merger Ultratech common stock will be listed on a national securities exchange, the Court of Chancery will dismiss the proceedings as to all holders of Ultratech common stock who are otherwise entitled to appraisal rights unless (1) the total number of shares entitled to appraisal exceeds 1% of the outstanding shares of the class or series eligible for appraisal or (2) the value of the consideration provided in the merger for such total number of shares exceeds \$1 million.

Determination of Fair Value. After the Court of Chancery determines the former holders of Ultratech common stock entitled to appraisal, the appraisal proceeding shall be conducted in accordance with the rules of the Court of Chancery, including any rules specifically governing appraisal proceedings. Through such proceeding, the Court of Chancery shall determine the "fair value" of the shares, exclusive of any element of value arising from the accomplishment or expectation of the merger, together with interest, if any, to be paid upon the amount determined to be the fair value. Unless the Court of Chancery in its discretion determines otherwise for good cause shown, interest from the effective date of the merger through the date of payment of the judgment shall be compounded quarterly and shall accrue at 5% over the Federal Reserve discount rate (including any surcharge) as established from time to time during the period between the effective date of the merger and the date of payment of the judgment.

In determining fair value, the Court of Chancery will take into account all relevant factors. In *Weinberger v. UOP, Inc.*, the Supreme Court of Delaware discussed the factors that could be considered in determining fair value in an appraisal proceeding, stating that "proof of value by any techniques or methods that are generally considered acceptable in the financial community and otherwise admissible in court" should be considered, and that "[f]air price obviously requires consideration of all relevant factors involving the value of a company". The Delaware Supreme Court stated that, in making this determination of fair value, the court must consider market value, asset value, dividends, earnings prospects, the nature of the enterprise and any other facts that could be ascertained as of the date of the merger that throw any light on future prospects of the merged corporation. Section 262 of the DGCL provides that fair value is to be "exclusive of any element of value arising from the accomplishment or expectation of the merger". In *Cede & Co. v. Technicolor, Inc.*, the Delaware Supreme Court stated that such exclusion is a "narrow exclusion [that] does not encompass known elements of value," but which rather applies only to the speculative elements of value arising from such accomplishment or expectation. In *Weinberger*, the Supreme Court of Delaware also stated that "elements of future value, including the nature of the enterprise, which are known or susceptible of proof as of the date of the merger and not the product of speculation, may be considered".

Stockholders considering seeking appraisal should be aware that the fair value of their shares as so determined could be less than, the same as or more than the merger consideration and that an investment banking opinion as to fairness from a financial point of view is not an opinion as to fair value under Section 262 of the DGCL.

Although Ultratech believes that the merger consideration is fair, no representation is made as to the outcome of the appraisal of fair value as determined by the Court of Chancery, and stockholders should recognize that such an appraisal could result in a determination of a value lower or higher than, or the same as, the merger consideration. Neither Veeco nor Ultratech anticipate offering more than the merger consideration to any stockholder of Ultratech exercising appraisal rights, and reserve the right to assert, in any appraisal proceeding, that for purposes of Section 262 of the DGCL, the "fair value" of a share of Ultratech common stock is less than the merger consideration.

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If a petition for appraisal is not timely filed, then the right to an appraisal will cease. The costs of the action may be determined by the Court of Chancery and taxed upon the parties as the Court of Chancery deems equitable under the circumstances. Upon application of a stockholder, the Court of Chancery may order all or a portion of the expenses incurred by a stockholder in connection with an appraisal proceeding, including, without limitation, reasonable attorneys' fees and the fees and expenses of experts utilized in the appraisal proceeding, to be charged pro rata against the value of all the shares entitled to be appraised.

If any stockholder who demands appraisal of shares of Ultratech common stock under Section 262 of the DGCL fails to perfect, successfully withdraws or loses such holder's right to appraisal, the stockholder's shares of Ultratech common stock will be deemed to have been converted at the effective time into the right to receive the merger consideration. A stockholder will fail to perfect, or effectively lose, the holder's right to appraisal if no petition for appraisal is filed within 120 days after the effective time.

THE PROCESS OF DEMANDING AND EXERCISING APPRAISAL RIGHTS REQUIRES STRICT COMPLIANCE WITH TECHNICAL PREREQUISITES. FAILURE TO COMPLY STRICTLY WITH ALL OF THE PROCEDURES SET FORTH IN SECTION 262 OF THE DGCL WILL RESULT IN THE LOSS OF A STOCKHOLDER'S STATUTORY APPRAISAL RIGHTS. IF YOU WISH TO EXERCISE YOUR APPRAISAL RIGHTS, YOU SHOULD CONSULT WITH YOUR OWN LEGAL COUNSEL. TO THE EXTENT THERE ARE ANY INCONSISTENCIES BETWEEN THE FOREGOING SUMMARY AND SECTION 262 OF THE DGCL, THE DGCL WILL GOVERN.

Litigation Related to the Merger

On March 17, 2017, an Ultratech shareholder filed a purported class action complaint in the U.S. District Court for the Northern District of California, captioned *The Vladimir Gusinsky Rev. Trust v. Ultratech, Inc., et al.*, Case No. 4:17-cv-01468-PJH, on behalf of itself and all other Ultratech shareholders against Ultratech, its directors at the time the acquisition was announced, Veeco, and Merger Sub. The complaint alleges, among other things, that in connection with Veeco's proposed acquisition of Ultratech, the defendants purportedly agreed to a supposedly inadequate price for the Ultratech shares, agreed to unreasonable deal-protection measures, and potentially engaged in supposed self-dealing. The complaint seeks to recover under Sections 14(a) and 20(a) of the Securities Exchange Act of 1934 for alleged misstatements and omissions in the preliminary proxy statement filed on March 13, 2017. The complaint seeks declaratory and injunctive relief, including enjoining or rescinding the transaction and rescissory damages to the extent already implemented, an order directing the dissemination of a proxy statement that is not false or misleading, and an award of attorneys' and experts' fees.

On March 22, 2017, two other Ultratech shareholders filed a purported class action complaint in the U.S. District Court for the Northern District of California, captioned *De Letter et al. v. Ultratech, Inc., et al.*, Case No. 3:17-cv-01542-WHA, on behalf of themselves and all other Ultratech shareholders against Ultratech and its directors at the time the acquisition was announced. The complaint alleges, among other things, that in connection with Veeco's proposed acquisition of Ultratech, the defendants purportedly agreed to a supposedly inadequate price for the Ultratech shares and potentially engaged in supposed self-dealing. The complaint further alleges that the sale process was flawed and tainted by the self-interest of certain directors. The complaint seeks to recover under Sections 14(a) and 20(a) of the Securities Exchange Act of 1934 for alleged misstatements and omissions in the preliminary proxy statement filed on March 13, 2017. The complaint seeks injunctive relief, including enjoining or rescinding the transaction and rescissory damages to the extent already implemented, compensatory damages, and an award of attorneys' and experts' fees.

The defendants have not yet responded to either complaint. While it is too early to predict the outcome of litigation or a reasonable range of potential losses, Ultratech believes these lawsuits are without merit. Additional lawsuits arising out of or relating to the merger agreement or the merger may be filed in the future.

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THE MERGER AGREEMENT

The following discussion summarizes material provisions of the merger agreement entered into by Veeco, Merger Subsidiary and Ultratech. This summary does not propose to be complete and is qualified in its entirety by reference to the complete copies of the merger agreement, which is attached as **Annex A** to this proxy statement/prospectus. The rights and obligations of the parties are governed by the express terms and conditions of the merger agreement and not by this summary. The merger agreement should not be read alone, but should instead be read in conjunction with the other information provided elsewhere in this proxy statement/prospectus, including the annexes and the documents incorporated by reference into this proxy statement/prospectus, before making any decisions regarding the merger.

The merger agreement is described in this proxy statement/prospectus only to provide you with information regarding its terms and conditions and is not intended to provide any factual information about Veeco, Ultratech or their respective businesses. The representations, warranties and covenants contained in the merger agreement have been made solely for the benefit of the parties to the merger agreement. In addition, such representations, warranties and covenants: (1) have been made only for purposes of the merger agreement; (2) have been qualified by certain disclosures made by the parties to one another not reflected in the text of the merger agreement; (3) may be subject to materiality qualifications contained in the merger agreement which may differ from what may be viewed as material by you; (4) were made only as of February 2, 2017 or other specific dates; and (5) have been included in the merger agreement for the purpose of allocating risk between the contracting parties rather than establishing matters as facts. Accordingly, the summary of the merger agreement is included in this proxy statement/prospectus only to provide you with information regarding the terms of the merger and not to provide you with any other factual information regarding Veeco, Ultratech or their respective businesses. Moreover, information concerning the subject matter of the representations, warranties and covenants may change after February 2, 2017, which subsequent information may or may not be fully reflected in Veeco's or Ultratech's public disclosures.

The Merger

On February 2, 2017, Veeco, Ultratech and Merger Subsidiary entered into the merger agreement, pursuant to which Veeco agreed to acquire Ultratech by way of a merger of Merger Subsidiary with and into Ultratech, with Ultratech, as the surviving corporation, becoming a wholly owned subsidiary of Veeco

Merger Consideration

Each of the Veeco board and the Ultratech board has approved the merger agreement, which provides for the merger of Merger Subsidiary with and into Ultratech. Upon the effective time, Ultratech will be the surviving corporation and will become a wholly owned subsidiary of Veeco. Each share of Ultratech common stock that is issued and outstanding immediately prior to the effective time (other than (i) shares of Ultratech common stock owned by Veeco or Merger Subsidiary and shares of treasury stock held by Ultratech, which will be canceled without consideration, (ii) shares of Ultratech stock held by any subsidiary of either Ultratech or Veeco, which will be converted into such number of shares of common stock of the surviving corporation such that each subsidiary owns the same percentage of the surviving corporation immediately following the effective time as such subsidiary owned of Ultratech immediately prior to the effective time (such shares, together with the shares described in clause (i) are referred to as "excluded shares") and (iii) shares held by holders of Ultratech common stock, if any, who properly exercise their appraisal rights under the DGCL (which we refer to as "dissenting shares")) will be automatically cancelled and converted into the right to receive an amount equal to (1) \$21.75 in cash without interest (which we refer to as the "cash consideration"), (2) 0.2675 of a share of Veeco, par value \$0.01 per share (which we refer to as the "stock consideration", and together with the cash consideration, the "merger consideration") and

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(3) cash in lieu of fractional shares of Veeco common stock as contemplated by the merger agreement. If, prior to the effective time, any change in the outstanding shares of capital stock of Ultratech occurs, including by reason of any reclassification, recapitalization, stock split or combination, exchange or readjustment of shares, or any stock dividend with a record date during such period (other than any change that results from any exercise of options or the vesting of restricted share units outstanding as of the date of the merger agreement to purchase shares of Ultratech common stock granted under Ultratech's stock option or compensation plans or arrangements), then the merger consideration and other amounts payable pursuant to the merger agreement will be appropriately adjusted. If, prior to the effective time, the outstanding shares of common stock of Veeco have been changed into a different number of shares or a different class as the result of a reclassification, recapitalization, stock split or combination, exchange or readjustment, or stock dividend or other similar change in capitalization, then an appropriate and proportionate adjustment will be made to the stock consideration.

Veeco will not issue any fractional shares of Veeco common stock in the merger. Instead, Ultratech stockholders will receive cash (rounded to the nearest whole cent), without interest, for any fractional entitlements to a share of Veeco common stock that they might otherwise receive in the merger in an amount equal to the product of the fraction of a share of Veeco common stock to which such holder would otherwise have been entitled multiplied by the volume weighted average trading price of Veeco common stock on the Nasdaq Global Select Market (or, if the Nasdaq Global Select Market is not then the principal U.S. trading market for Veeco common stock, the principal U.S. national securities exchange on which Veeco common stock is traded) for the five consecutive trading days ending on the trading day immediately preceding the date on which the closing occurs.

Treatment of Ultratech Options and Other Equity-Based Awards

Under the merger agreement, the equity awards as of the effective time of the merger will be treated as follows:

Stock Options. At or immediately prior to the effective time of the merger, each outstanding Ultratech Option, will vest and be canceled and converted into the right to receive an amount in cash equal to the product of (i) the number of shares of Ultratech common stock subject to such Ultratech Option immediately prior to the effective time and (ii) the excess, if any, of (A) the Equity Award Merger Consideration, over (B) the exercise price per share subject to such canceled Ultratech Option. Ultratech Options that have an exercise price per share that is greater than the Equity Award Merger Consideration will be canceled in exchange for no consideration. Veeco will cause the surviving corporation to pay the cash payment described above to the holder of the applicable Ultratech Option at or reasonably promptly after the effective time of the merger (but in no event later than three business days after the effective time).

Vested Restricted Stock Units. At or immediately prior to the effective time of the merger, each outstanding Ultratech Vested RSU will be canceled and converted into the right to receive an amount in cash equal to the product of (i) the number of shares of Ultratech common stock subject to such Ultratech Vested RSU immediately prior to the effective time and (ii) the Equity Award Merger Consideration. Veeco will cause the surviving corporation to pay the cash payment described above to the holder of the applicable Ultratech Vested RSU at or reasonably promptly after the effective time of the merger (but in no event later than three business days after the effective time).

Unvested Restricted Stock Units. At the effective time of the merger, each outstanding Ultratech Unvested RSU will be assumed by Veeco and converted into a number of Converted RSUs, rounded down to the nearest whole number, equal to the product of (i) the number of shares subject to the Ultratech Unvested RSU and (ii) the Equity Conversion Ratio. Any Converted RSUs so issued will be subject to the same terms and conditions as were applicable under the Ultratech Unvested RSUs;

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provided, that all references to "Company" in Ultratech's equity incentive plan and award agreements will be references to Veeco.

Effect of the Merger; Effective Time; Organizational Documents of the Surviving Corporation

Effect of the Merger

The merger agreement provides for the merger of Merger Subsidiary with and into Ultratech, with Ultratech surviving the merger as the surviving corporation and a wholly owned subsidiary of Veeco.

As a result of the merger, there will no longer be any publicly held shares of Ultratech common stock. Ultratech stockholders will only participate in the surviving corporation's future earnings and potential growth through their ownership of Veeco common stock. All of the other incidents of direct ownership of Ultratech common stock, such as the right to vote on certain corporate decisions, to elect directors and to receive dividends and distributions from Ultratech, will be extinguished upon completion of the merger. All of the properties, rights, privileges, powers and franchises of Ultratech shall vest in the surviving corporation, and all debts, duties and liabilities of Ultratech shall become the debts, liabilities and duties of the surviving corporation.

Closing and Effective Time

The parties are obligated to effect the merger only if all of the conditions to closing under the merger agreement are either satisfied or waived at or prior to the effective time. Veeco and Ultratech expect the closing to occur during the second quarter of calendar year 2017. However, the merger is subject to various regulatory approvals and the satisfaction or waiver of other conditions, and it is possible that factors outside the control of Veeco and Ultratech could result in the merger being completed at an earlier time, a later time or not at all.

The merger will become effective at such time as a certificate of merger is duly filed with the Secretary of State of the State of Delaware on the date on which the closing occurs, or at such subsequent date or time as may be specified in the certificate of merger.

In the merger agreement, Veeco and Ultratech have agreed that the date on which the closing occurs shall be no later than the first business day following the satisfaction or waiver of the last of the conditions to closing (other than those conditions that by their nature are to be satisfied at closing, but subject to the satisfaction or, to the extent permissible, waiver of those conditions), or at such other date and time as Veeco and Ultratech may mutually agree consistent with Delaware law.

Organizational Documents of the Surviving Corporation

Unless otherwise determined by Veeco prior to the effective time, at the effective time, (1) the certificate of incorporation of Merger Subsidiary immediately prior to the effective time will be the certificate of incorporation of the surviving corporation from and after the effective time and (2) the bylaws of Merger Subsidiary immediately prior to the effective time will be the bylaws of the surviving corporation from and after the effective time.

Conversion of Shares

The conversion of each share of Ultratech common stock (other excluded shares and dissenting shares (if any)) into the right to receive the merger consideration will occur automatically at the effective time.

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Exchange Agent; Letter of Transmittal

Prior to the effective time, Veeco will appoint an agent reasonably acceptable to Ultratech to act as the exchange agent of Veeco for purposes of, among other things, exchanging for the merger consideration certificates representing shares of Ultratech common stock and uncertificated shares of Veeco common stock. Promptly after the effective time (but in no event later than two business days after the effective time), Veeco shall (1) send, or cause the exchange agent to send, to each holder of shares of Ultratech common stock (whether in certificate or book-entry form) at the effective time a letter of transmittal (in a form that was reasonably acceptable to Ultratech prior to the effective time) and instructions, which will contain instructions on how to surrender Ultratech common stock, whether in certificate or book-entry form, in exchange for the merger consideration.

On the date of the closing, at or promptly following the effective time (or, in the case of any payments made with respect to dissenting shares, when ascertained), Veeco will deposit, or cause to be deposited, with the exchange agent, for the benefit of the holders of Ultratech common stock, cash and shares of Veeco common stock in an amount sufficient to pay the merger consideration.

After the effective time, when an Ultratech stockholder delivers a properly executed letter of transmittal and any other documents as may reasonably be required by the exchange agent, the holder of shares of Ultratech common stock will be entitled to receive the merger consideration in the form of (1) the number of whole shares of Veeco common stock and an amount in cash that such holder is entitled to receive as a result of the merger (after taking into account all of the shares of Ultratech common stock held immediately prior to the merger by such holder other than excluded shares and dissenting shares) and (2) any cash in lieu of fractional shares and in respect of dividends or other distributions to which such holder is entitled, in each case less any required withholding taxes.

No interest will be paid or accrued on any amount payable upon cancellation of shares of Ultratech common stock. The shares of Veeco common stock issued and paid and cash amount paid in accordance with the merger agreement upon conversion of the shares of Ultratech common stock (including any cash paid in lieu of fractional shares) will be deemed to have been issued and paid in full satisfaction of all rights pertaining to the shares of Ultratech common stock.

If any portion of the merger consideration is to be delivered to a person or entity other than the holder in whose name any surrendered certificate or transferred uncertificated share is registered, it will be a condition of to such payment that (1) either the certificate surrendered must be properly endorsed or must be otherwise in proper form for transfer or such uncertificated share must be properly transferred and (2) the person or entity requesting such payment pays to the exchange agent any transfer or other similar taxes required by reason of the payment of the merger consideration to a person or entity other than the registered holder of the certificate or uncertificated share or establishes to the satisfaction of the exchange agent that such tax has been paid or is not required to be paid.

The shares of Veeco common stock constituting the equity portion of the merger consideration may be in uncertificated book-entry form, unless a physical certificate is otherwise required by any applicable law.

Appraisal Rights

If a holder of shares of Ultratech common stock does not vote in favor of, nor consent in writing to, the adoption of the merger agreement Merger Proposal, properly demands appraisal and otherwise complies with applicable Delaware law and does not effectively withdraw his, her or its demand for, or lose the right to, appraisal of such Ultratech common stock in compliance with Section 262 of the DGCL, such shares will not be converted into the right to receive the merger consideration as described under the section entitled "Merger Consideration" beginning on page 100 of this proxy statement/prospectus, but instead, at the effective time, will become entitled only to payment of the fair

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value of such shares determined in accordance with applicable Delaware law. However, if any such holder votes in favor of, or consents in writing to, the adoption of the merger agreement Merger Proposal, fails to properly demand appraisal, fails to comply with applicable Delaware law, or otherwise waives, withdraws or loses the right to payment of the fair value of such dissenting shares under applicable Delaware law, then the right of such holder to be paid the fair value of such holder's dissenting shares will cease and such dissenting shares will be deemed to have been converted as of the effective time into, and to have become exchangeable solely for the right to receive, without interest or duplication, the merger consideration with respect to such shares.

For additional information about appraisal rights upon completion of the merger, see the section entitled "The Merger Appraisal Rights" beginning on page 95 of this proxy statement/prospectus.

Withholding

Each of Veeco, Merger Subsidiary, the surviving corporation and the exchange agent will be entitled to deduct and withhold from the consideration otherwise payable under the merger agreement the amounts they are required to deduct and withhold under any applicable tax law. If Veeco, Merger Subsidiary, the surviving corporation or the Exchange Agent withholds and properly pays any such amounts to the appropriate taxing authority, these amounts will be treated for all purposes of the merger agreement as having been paid to the persons from whom they were withheld.

Dividends and Distributions

The Merger Agreement provides that neither Veeco nor Ultratech may pay dividends or other distributions to their respective stockholders between the date of the merger agreement and the effective time.

Representations and Warranties of Veeco, Merger Subsidiary and Ultratech

The merger agreement contains representations and warranties made by Veeco, Merger Subsidiary and Ultratech to, and solely for the benefit of, each other. You should not rely on the representations and warranties in the merger agreement as characterizations of the actual state of facts about Veeco or Ultratech and should see the section entitled "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus for the location of documents that are incorporated by reference into this proxy statement/prospectus for information regarding Veeco and Ultratech and their respective businesses.

The merger agreement contains representations and warranties made by Ultratech including, among other things:

the incorporation, good standing and qualification of Ultratech;

the corporate power and authority to execute, deliver and perform its obligations under the merger agreement and to consummate the transactions contemplated by the merger agreement;

the actions and filings with any governmental authorities required by the execution, delivery and performance of its obligations under the merger agreement

no breach of organizational documents, law or other agreements as a result of the merger;

the capital structure of Ultratech;

the organization, good standing and qualification of each subsidiary of Ultratech and capital structure of its subsidiaries;

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the reports, schedules, forms, statements, prospectuses, registration statements and other documents required to be filed with the SEC and the accuracy of the information contained in those documents;
the financial statements of Ultratech;
the accuracy of information included in this proxy statement/prospectus;
the absence of certain changes or events;
the absence of certain undisclosed liabilities;
compliance with certain laws, orders and permits by Ultratech and its subsidiaries;
the absence of certain material actions, suits, investigations or proceedings and the absence of any known violations under Section 806 of the Sarbanes-Oxley Act;
the ownership by Ultratech or its subsidiaries of its property and assets;
ownership of or rights with respect to the intellectual property of Ultratech and its subsidiaries;
the payment of taxes, the filing of tax returns and other tax matters related to Ultratech and its subsidiaries;
employee benefits plans and other agreements, plans and policies with or concerning employees of Ultratech and its subsidiaries;
labor matters related to Ultratech and its subsidiaries;
insurance matters of Ultratech and its subsidiaries;
compliance with environmental laws and permits by Ultratech and its subsidiaries and other environmental matters;
certain material contracts of Ultratech and its subsidiaries;
relations with the largest customers and suppliers of Ultratech and its subsidiaries;
compliance by Ultratech with certain anti-corruption and export control laws;

brokers' and finders' fees and other expenses payable by Ultratech;

receipt by the Ultratech board of the opinion of BofA Merrill Lynch to the effect that, as of the date of the merger agreement, the merger consideration to be received in the merger by holders of Ultratech common stock (other than Veeco, Merger Subsidiary and any holders of dissenting shares) is fair, from a financial point of view, to such holders;

the availability of at least \$180 million of cash on hand held in the United States by Ultratech and its subsidiaries and the absence of certain restrictions on such cash;

the applicability of certain antitakeover statutes; and

acknowledgment that Ultratech makes no additional representations.

The merger agreement contains customary representations and warranties made by Veeco and Merger Subsidiary relating to their respective businesses regarding, among other things:

the incorporation, good standing and qualification of each of Veeco and Merger Subsidiary;

the corporate power and authority to execute, deliver and perform their respective obligations under the merger agreement and to consummate the transactions contemplated by the merger agreement;

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the actions and filings with any governmental authorities required by the execution, delivery and performance of their respective obligations under the merger agreement; no breach of organizational documents, law or other agreements as a result of the merger; the capital structure of Veeco; the organization, good standing and qualification of each subsidiary of Veeco; the reports, schedules, forms, statements, prospectuses, registration statements and other documents required to be filed with the SEC and the accuracy of the information contained in those documents; the financial statements of Veeco: the accuracy of information supplied by or on behalf of Veeco or Merger Subsidiary and included in this proxy statement/prospectus; the absence of certain changes or events; the absence of certain undisclosed liabilities; the absence of certain material actions, suits, investigations or proceedings and the absence of any known violations under Section 806 of the Sarbanes-Oxley Act; compliance with certain laws, orders and permits by Veeco and its subsidiaries; ownership of or rights with respect to the intellectual property of Veeco and its subsidiaries; the payment of taxes, the filing of tax returns and other tax matters related to Veeco and its subsidiaries; employee benefits plans and other agreements, plans and policies with or concerning employees of Veeco and its subsidiaries: the availability of funds (including \$180 million of cash on hand held in the United States by Ultratech and its subsidiaries)

for Veeco and Merger Subsidiary to satisfy all of their obligations under the merger agreement;

paid to any stockholder;

the absence of any contracts or commitments (other than the support agreement) with any directors, officers and employees of Ultratech or that relate to voting for the merger or any superior proposal or that provide for different consideration to be

lack of ownership of Ultratech common stock by Veeco or its affiliates, subject to certain exceptions, and Veeco and its affiliates not being an interested stockholder (as defined in Section 203 of the DGCL) of Ultratech;

brokers' and finders' fees and other expenses payable by Veeco or Merger Subsidiary; and

acknowledgment that Veeco and Merger Subsidiary make no additional representations.

The representations and warranties in the merger agreement do not survive the effective time.

Ultratech's representations and warranties are qualified by the information included in (1) Ultratech's confidential disclosure letter delivered to Veeco on February 2, 2017 and (2) Ultratech's Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Proxy Statements on Form DEF-14A and Current Reports on Form 8-K, in each case filed since January 1, 2015 and prior to February 2, 2017, excluding any disclosures set forth in any "risk factor" or "forward looking statements" sections.

Veeco's and Merger Subsidiary's representations and warranties are qualified by the information included in (1) Veeco's confidential disclosure letter delivered to Ultratech on February 2, 2017 and

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(2) Vecco's Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Proxy Statements on Form DEF-14A and Current Reports on Form 8-K, in each case filed since January 1, 2015 and prior to February 2, 2017, excluding any disclosures set forth in any "risk factor" or "forward looking statements" sections.

Certain of the representations and warranties made by each of Veeco, Merger Subsidiary and Ultratech are qualified by a "material adverse effect" standard (that is, they will not be deemed untrue or incorrect unless their failure to be true or correct, individually or in the aggregate, has had or would reasonably be expected to have a material adverse effect). Certain of the representations and warranties are qualified by a general materiality standard or by a knowledge standard. For the purpose of the merger agreement, a "material adverse effect" has the meaning set forth below under the section entitled " Material Adverse Effect".

Material Adverse Effect

The merger agreement provides that a "Company Material Adverse Effect" means any fact, change, circumstance, event, occurrence, condition, development or combination of the foregoing which has a materially adverse effect on the financial condition, business, assets or results of operations of Ultratech and its subsidiaries, taken as a whole. The merger agreement provides that a "Parent Material Adverse Effect" means (1) any fact, change, circumstance, event, occurrence, condition, development or combination of the foregoing which has a materially adverse effect on the financial condition, business, assets or results of operations of Veeco and its subsidiaries, taken as a whole or (2) any change, effect, event or occurrence that prevents or materially impedes, materially interferes with, materially hinders or materially delays (or would reasonably be expected to prevent or materially impede, materially interfere with, materially hinder or materially delay) (A) the consummation of the merger by Veeco or Merger Subsidiary of the merger or any of the other transactions contemplated by the merger agreement or (B) the material compliance by Veeco or Merger Subsidiary with its obligations under the merger agreement. When determining whether a fact, change, circumstance, event, occurrence, condition, development or combination thereof, would reasonably be expected to have a materially adverse effect on the financial condition, business, assets or results of operation of Veeco or Ultratech and their respective subsidiaries, taken as a whole, none of the following, either alone or in combination, may be taken into account in determining whether there has been or will be either a "Company Material Adverse Effect" or a "Parent Material Adverse Effect":

changes after the date of the merger agreement in the financial, securities, credit or other capital markets or general economic or regulatory, legislative or political conditions;

changes after the date of the merger agreement generally affecting the industry in which Ultratech, Veeco and their respective Subsidiaries operate or to the industries to which either Ultratech and its Subsidiaries or Veeco and its Subsidiaries sell their products, solutions and services, including changes in interest and exchange rates, in the United States or any other jurisdiction in which such entity operates;

changes after the date of the merger agreement as to geopolitical conditions, any outbreak or escalation of hostilities, acts of war (whether or not declared), acts of armed hostility, sabotage, terrorism or national or international calamity;

any hurricane, tornado, tsunami, flood, volcanic eruption, earthquake, nuclear incident, pandemic, quarantine restrictions, weather conditions or other natural or man-made disaster or other force majeure event;

changes in any applicable laws or GAAP;

the failure, in and of itself, of Veeco or Ultratech, as applicable, to meet any internal or published projections, forecasts, guidance, estimates or predictions in respect of revenues,

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earnings or other financial or operating metrics or other matters before, on or after the date hereof, or changes or prospective changes in the market price or trading volume of the securities of Veeco or Ultratech, as applicable, or the credit rating of Veeco or Ultratech, as applicable (it being understood that the underlying facts giving rise or contributing to such failure or change may be taken into account in determining whether there has been a "Parent Material Adverse Effect" or a "Company Material Adverse Effect," as applicable, if such facts are not otherwise excluded)

the negotiation, announcement, pendency or consummation of the transactions contemplated by the merger agreement, including the initiation of litigation by any person with respect to the merger agreement or the transactions contemplated by the merger agreement, and including any negative impact on relationships with customers due to the announcement, pendency or consummation of the transactions contemplated by the merger agreement or, (a) with respect to "Company Material Adverse Effect", the identity of Veeco as the acquirer of Ultratech or (b) with respect to "Parent Material Adverse Effect", the identity of Ultratech as the target of Veeco; and

any action taken or not taken by Ultratech or any of its subsidiaries or by Veeco, Merger Subsidiary or any of Veeco's subsidiaries at the written request, or with the written consent, of the other party to the merger agreement;

except, in the case of the first through fifth bullets, to the extent having a disproportionate effect on the such person and its subsidiaries, taken as a whole, relative to other participants in the industry in which such person and its subsidiaries operate (in which case the incremental materially disproportionate impact or impacts may be taken into account in determining whether there has been a "Company Material Adverse Effect" or "Parent Material Adverse Effect", as applicable.

Conduct of Businesses of Ultratech and Veeco Prior to Completion of the Merger

Ultratech

Under the merger agreement, Ultratech has agreed, subject to certain exceptions set forth in the merger agreement, on behalf of itself and its subsidiaries that, until the effective time (or earlier termination of the merger agreement), it will conduct its business in the ordinary course consistent with past practice and use its reasonable best efforts to preserve intact its present business organization, keep available the services of its directors, officers and key employees, and maintain satisfactory relationships with its customers, lenders, suppliers and others having material business relationships with it.

In particular, Ultratech has agreed on behalf of itself and its subsidiaries to certain restrictions between the date of the merger agreement and the effective time (or earlier termination of the merger agreement) on its and their ability to take the following actions without the written consent of Veeco, among other things and with certain exceptions:

amend the certificate of incorporation or bylaws, or comparable organizational documents of Ultratech or any subsidiary;

split, combine or reclassify any of its or its subsidiaries' capital stock or issuing or proposing the issuance of any other securities in respect of, in lieu of or in substitution for shares of its or its subsidiaries capital stock;

declare, set aside or paying any dividends on or making any other distributions with respect of, or entering into any agreement with respect to the voting of, its or its subsidiaries' capital stock, except for certain permitted dividends;

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redeem, purchase or otherwise acquire or offer to redeem, repurchase or otherwise acquire any securities of Ultratech and its subsidiaries, except for certain specified exceptions;

issue, deliver, sell, grant, pledge, transfer or subject to any lien or otherwise dispose of or encumber any securities of Ultratech or its subsidiaries, except for certain specified exceptions;

grant any equity awards of Ultratech, except as permitted by the merger agreement;

amending any term of any securities of Ultratech or its subsidiaries;

incur any capital expenditures or obligations or liabilities, except as contemplated by Ultratech's budget or that do not exceed \$500,000 in the aggregate, in each case, for each fiscal quarterly period;

adopt a plan or agreement of, or resolutions providing for the authorization of complete or partial liquidation, dissolution, restructuring, recapitalization or other restructuring of Ultratech or any of its subsidiaries;

acquire (by merger, consolidation, acquisition of stock or assets or otherwise) or lease, directly or indirectly, any properties, interests or businesses, or any assets or securities in connection with the acquisition of properties, assets or businesses, if the aggregate consideration exceeds \$1 million;

sell, lease, exclusively license, exchange, swap or otherwise transferor dispose of or create or incur any lien on any of the assets, properties, interests or businesses of Ultratech or any of its subsidiaries, for aggregate consideration exceed \$1 million for each fiscal quarterly period, except pursuant to exist contracts or commitments that were disclosed to Veeco or sales of Ultratech products and services, inventory or used equipment in the ordinary course of business consistent with past practice;

sell or exclusively license any of Ultratech's material intellectual property, except pursuant to existing contracts or commitments that were disclosed to Veeco or sales of Ultratech products and services, inventory or used equipment in the ordinary course of business consistent with past practice;

repurchase, prepay, assume, guarantee, incurring or otherwise becoming liable for any indebtedness for borrowed money, entering into any "keep well" or other contract to maintain any financial statement or similar condition of another person or entity, or entering into any arrangement having the economic effect of any of the foregoing, other than accounts payable in the ordinary course of business consistent with past practice;

make any loans, advances or capital contributions to, or investments in, any other person or entity other than to Ultratech or any of its subsidiaries or accounts receivable and extensions of credit and advances of expenses to employees, in each case, in the ordinary course of business consistent with past practice;

enter into any contract that contains any provision restricting Ultratech or any if its affiliates from competing or engaging in any material respect in any activity or line of business or with any person or entity or in any area or pursuant to which any material benefit or right is required to be given or lost as a result of competing or engaging or which would be reasonably expected to have such effect after the closing, or amend certain existing contracts;

hiring any new employee, other than the hiring of any non-officer employees in the ordinary course of business with total compensation not exceeding \$125,000 individually;

grant to any current or former director, officer, employee or consultant of Ultratech or any of its subsidiaries any increase in compensation, bonus or benefits;

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make any person a participant in or party to any severance plan or arrangement or grant any increase in any severance, retention or change in control benefits;

establish, adopt, enter into or amend any employee plan or collective bargaining agreement, except in certain permitted instances:

make any change in any financial accounting principles, methods or practices, except in certain permitted instances;

institute, paying, discharge, compromise, settle or satisfy any actions, suits, investigations or proceedings before (or, in the case of threatened actions, suits, investigations or proceedings, that would be before) any governmental authority in excess of \$250,000 in any individual case, except as permitted by the merger agreement or (ii) waive, relinquish, release, grant, transfer or assign any right in connection with any actions, suits, investigations or proceedings described in the preceding clause (i) with a value of more than \$500,000 in any individual case;

make or change any material tax election, file any amended tax returns affecting any material tax liability or attribute, settling or compromising any tax audit or other proceedings for amounts exceeding the accrued reserves on Ultratech's financial statements or compromising or surrendering any tax refund or credit, except in each case, as required by law;

modify, amend, terminate or waive any material right under any material contract or entering into any contract that would be a material contract, in each case, other than in the ordinary course consistent with past practice; or

agree, authorize or commit to take any of the foregoing actions.

Veeco

Veeco has also agreed that it will not, and will cause its subsidiaries not to, from the date of the merger agreement until the effective time (or earlier termination of the merger agreement), take any action or fail to take any action that is intended to, or would reasonably be expected to, individually or in the aggregate, prevent, materially delay or materially impede the ability of Veeco and Merger Subsidiary to consummate the merger or the other transactions contemplated by the merger agreement.

Additionally, Veeco has agreed, subject to certain exceptions set forth in the merger agreement, without the consent of Ultratech (which may not be unreasonably withheld, conditioned or delayed), on behalf of itself and its subsidiaries that, until the effective time (or earlier termination of the merger agreement), it will conduct its business in the ordinary course consistent with past practice and use its reasonable best efforts to preserve intact its present business organization, keep available the services of its directors, officers and key employees, and maintain satisfactory relationships with its customers, lenders, suppliers and others having material business relationships with it.

In particular, Veeco has agreed on behalf of itself and its subsidiaries to certain restrictions between the date of the merger agreement and the effective time (or the earlier termination of the merger agreement) on its and their ability to take the following actions without the written consent of Ultratech, among other things and with certain exceptions:

amend in any material respect the certificate of incorporation or bylaws, or comparable organizational documents of Veeco or any subsidiary;

split, combine or reclassify any of its or its subsidiaries' capital stock;

declare, set aside or pay any dividends on or making any other distributions with respect of, or entering into any agreement with respect to the voting of, its or its subsidiaries' capital stock, except for certain permitted dividends;

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issue, deliver, grant or sell, or authorize the issuance, deliverance, grant or sale of, any securities of Veeco, except for certain specified exceptions;

adopt a plan or agreement of, or resolutions providing for the authorization of complete or partial liquidation, dissolution, restructuring, recapitalization or other restructuring of Ultratech or any of its subsidiaries, except for certain specified exceptions;

make any change in any financial accounting principles, methods or practices, except in certain permitted instances;

merge or consolidate with any other entity or acquire a material amount of the stock of assets of any other entity or effect any business combination, recapitalization, stock issuance, reorganization or other similar transaction (other than the merger) if such action would reasonably be expected to (i) materially delay, interfere with or prevent the closing or (ii) materially change or materially alter the nature of the business of Veeco conducted as of the date of the merger agreement;

engage in any action or activity that would require Veeco to obtain the approval of its stockholders in connection with the consummation of the transactions contemplated by the merger agreement prior to the closing; or

agree, authorize or commit to take any of the foregoing actions.

Preparation of the Form S-4 and the Proxy Statement/Prospectus

As promptly as practicable after the execution of the merger agreement, Veeco and Ultratech have agreed to cooperate in preparing and causing to be filed with the SEC this proxy statement/prospectus (as part of the Form S-4) that includes (1) a prospectus for the issuance of the new shares of Veeco common stock in connection with the merger and (2) a proxy statement of Ultratech for use in the solicitation of proxies for the special meeting. Veeco and Ultratech have further agreed to use reasonable best efforts to have the Form S-4 declared effective as promptly as practicable after filing with the SEC and to keep the Form S-4 effective for as long as necessary to consummate the merger and the other transactions contemplated by the merger agreement.

Board Obligation to Call a Stockholders Meeting

Ultratech has agreed under the merger agreement to cause a meeting of its stockholders to be duly called and held as soon as reasonably practicable following clearance of this proxy statement/prospectus by the SEC to approve and adopt the merger agreement, the merger and the other transactions contemplated thereby.

Ultratech's Agreement Not to Solicit Other Offers

Ultratech has agreed that Ultratech will not, and will cause each of its subsidiaries and its and their respective officers, directors, employees, and investment bankers, attorneys, accountants or other advisors retained by Ultratech or its subsidiaries (collectively referred to as "Ultratech representatives") not to, directly or indirectly:

solicit, initiate or knowingly facilitate or encourage the submission of any acquisition proposal (as defined below);

enter into or participate in any discussions or negotiations with, or furnish any non-public information or access relating to Ultratech or any of its subsidiaries to, any person with respect to an acquisition proposal or any inquiry or proposal that could reasonably be expected to lead to an acquisition proposal; or

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enter into any agreement in principle, letter of intent, memorandum of understanding, merger agreement, acquisition agreement or other similar agreement relating to an acquisition proposal.

Subject to certain exceptions, the merger agreement provides that the Ultratech board may not fail to make, and may not withdraw, withhold, qualify or modify or resolve to or publicly propose to withdraw, withhold, qualify or modify in a manner adverse to Veeco, the recommendation of the Ultratech board with respect to the merger agreement or approve, endorse, or recommend or publicly propose to approve, endorse or recommend, an acquisition proposal.

Ultratech will be liable for any breach of the non-solicitation by any Ultratech representative as if the breach had been committed by Ultratech.

Ultratech has also agreed to immediately cease any discussions or negotiations with any person with respect to an acquisition proposal or any inquiry or proposal that could reasonably be expected to lead to an acquisition proposal and promptly after the date of the merger agreement terminate access of any third party or its representatives to any electronic data room maintained by Ultratech or its subsidiaries with respect to the transactions contemplated by the merger agreement and request that any such third party promptly return or destroy all confidential information concerning Ultratech and its subsidiaries to the extent permitted pursuant to the confidentiality agreement entered with such third party. In addition, Ultratech agreed that it and its subsidiaries will not release any third party from, or waive, amend or modify any provision of, or grant any permission under, (x) any standstill provision in any agreement to which Ultratech or any of its subsidiaries is a party of the subsidiaries is a party or (y) any confidentiality provision in any agreement to which Ultratech or any of its subsidiaries is a party other than, with respect to clause (x), to the extent the Ultratech board concludes in good faith, after consultation with its financial advisors and outside legal counsel, the failure to take such action would be reasonably likely to result in a breach of its fiduciary duties under applicable law or to the extent that any standstill provision in any agreement to which Ultratech or any of its subsidiaries is a party includes a "fallaway" or other similar provision that causes such standstill provision to be released, waived, modified or amended as a result of Ultratech entering into the merger agreement in and of itself.

Notwithstanding the restrictions described above, and subject to certain limitations discussed below, if at any time prior to obtaining the approval of Ultratech's stockholders, Ultratech or any of its representatives receives an unsolicited written, bona fide acquisition proposal from any third party that did not result from any breach of the non-solicitation covenant and the Ultratech board determines in good faith, after consultation with its financial advisor and outside legal counsel, that such acquisition proposal would reasonably be expected to result in a superior proposal (as defined in the merger agreement and described below), then Ultratech or its representatives may, in accordance with the terms of the merger agreement:

engage in negotiations or discussions with such third party and its representatives related to such written acquisition proposal; and

furnish to such third party or its representatives non-public information and access relating to Ultratech or any of its subsidiaries pursuant to a confidentiality agreement that contains provisions that are no less favorable in the aggregate to Ultratech than those contained in the confidentiality agreement that Ultratech entered into with Veeco (except that such confidentiality agreement may contain a less restrictive or no standstill restriction); provided, that, prior to or concurrently with the furnishing of such information, Ultratech will make available to Veeco (including by notifying Veeco that such information has been posted to an electronic data room to which Veeco and its representatives have access) any information relating to Ultratech or its subsidiaries that is made available to such third party.

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Ultratech has agreed to promptly, and in no event later than forty-eight hours after receipt of any acquisition proposal, notify Veeco orally and in writing of the receipt of any acquisition proposal and identify the third party making, and the material terms and conditions of, any such acquisition proposal. Ultratech has agreed to keep Veeco reasonably informed promptly, and in no event later than forty-eight hours, after any material developments, discussions or negotiations regarding any acquisition proposal and will provide to Veeco promptly, and in no event later than forty-eight hours, after receipt thereof of copies of all proposed transaction agreements or proposal letters or similar materials (and any attachments, annexes, exhibits, schedules and other similar materials in connection therewith) sent or provided to Ultratech or any of its subsidiaries that describe any material terms or conditions of any acquisition proposal.

For purposes of the merger agreement, "acquisition proposal" means, other than the transactions contemplated by the merger agreement, any offer or proposal of any third party relating to (i) any acquisition or purchase, direct or indirect, of assets (including securities of any subsidiaries of Ultratech) equal to 20% or more of the consolidated assets of Ultratech and its subsidiaries or to which 20% or more of the consolidated revenues or earnings of Ultratech are attributable or 20% or more of any class of equity or voting securities of Ultratech or any of its subsidiaries, (ii) any tender offer or exchange offer that, if consummated, would result in such third party beneficially owning 20% or more of any class of equity or voting securities of Ultratech, or (iii) a merger, consolidation, statutory share exchange, business combination, sale of all or substantially all of the assets, liquidation, dissolution or other similar extraordinary transaction involving Ultratech, or any of its subsidiaries whose assets, individually or in the aggregate, constitute a 20% or more of the consolidated assets of Ultratech or to which 20% or more of the consolidated revenues or earnings of Ultratech and its subsidiaries are attributable.

For purposes of the merger agreement, "superior proposal" means a bona fide, written acquisition proposal for at least a majority of the outstanding shares of Ultratech common stock or at least a majority of the consolidated assets of Ultratech and its subsidiaries that Ultratech board has determined in good faith, after consultation with its financial advisor and outside legal counsel, and taking into account all relevant terms and conditions of such acquisition proposal (including the timing and likelihood of consummation of such proposal, taking into account all legal, regulatory and other aspects of the proposal), would reasonably be likely to be consummated in accordance with its terms and that, if consummated, would result in a transaction more favorable to Ultratech's stockholders (solely in their capacity as stockholders) from a financial point of view than the merger (taking into account any written proposal by Ultratech to amend the terms of the merger agreement pursuant to the terms thereof).

Ultratech's Agreement Not to Change the Ultratech Board Recommendation

Except as provided in the paragraphs below, under the terms of the merger agreement, the Ultratech board has agreed not to (i) fail to make or withdraw, withhold, qualify or modify, or resolve to or publicly propose to withdraw, withhold, qualify or modify in a manner adverse to Veeco, the recommendation that the stockholders of Ultratech adopt the merger agreement (the "recommendation") or (ii) or approve, endorse or recommend, or publicly propose to approve, endorse or recommend, an acquisition proposal (the actions described in clauses (i) and (ii) above being referred to as a "change of recommendation").

Notwithstanding the foregoing, prior to obtaining the approval of the merger agreement by Ultratech's stockholders, if the Ultratech board determines in good faith, after consultation with outside legal counsel and in response to an unsolicited, written, bona fide acquisition proposal that did not result from a breach of the obligations described in the section entitled "Ultratech's Agreement Not to Solicit Other Offers" beginning on page 111 of this proxy statement/prospectus, that (i) such acquisition proposal constitutes a superior proposal and (ii) the failure to take such action would be

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reasonably likely to result in a breach of its fiduciary duties under applicable law, then the Ultratech board may:

make a change of recommendation; and/or

cause Ultratech to terminate the merger agreement and substantially concurrently with such termination enter into a definitive agreement with respect such superior proposal;

provided that prior to taking any such action:

Ultratech promptly notifies Veeco in writing, at least three business days before taking such action, of the determination of the Ultratech board that such acquisition proposal constitutes a superior proposal and of its intention to take such action, attaching the most current version of the proposed agreement under which such superior proposal is proposed to be consummated and the identity of the third party making such superior proposal; provided that each time any material revision or material amendment to the terms of the acquisition proposal determined to be a superior proposal is made (including any change to the financial or other material terms of the superior proposal), Ultratech must extend the three business day period for an additional two business days after notification of such material revision or material amendment to Veeco:

during the applicable period described in the previous bullet (the "takeover notice period"), the Ultratech board considers in good faith and discusses with Veeco (if Veeco desires to discuss) any adjustments or modifications to the terms of the merger agreement proposed by Veeco; and

at the end of the takeover notice period, the Veeco board makes the determination in good faith, after consultation with its outside legal counsel and financial advisor, that the acquisition proposal continues to be a superior proposal if any adjustments or modifications to the terms of the merger agreement proposed in writing by Veeco were to be given effect.

Notwithstanding the foregoing, prior to obtaining the approval of the merger agreement by the Ultratech stockholders, if (1) Ultratech and the Ultratech representatives are in material compliance with the obligations described in the section entitled "Ultratech's Agreement Not to Solicit Other Offers" beginning on page 111 of this proxy statement/prospectus and (2) if the Veeco board determines in good faith, after consultation with outside legal counsel and taking into account the discussions with Veeco outlined below, that the failure to take such action would be reasonably likely to result in a breach of its fiduciary duties under applicable law, the Veeco board may make a change of recommendation in response to any fact, event, change, development or set of circumstances that materially affects the business, financial condition or results of operations of Ultratech and its subsidiaries, taken as a whole that (A) does not involve or relate to an acquisition proposal or to Veeco or any of its affiliates or its or their respective representatives and (B) (i) is not known and was not reasonably discoverable or foreseeable to the Veeco board as of the date of the merger agreement or (ii) the consequences of which were not reasonably discoverable or foreseeable to the Veeco board as of the date of the merger agreement, if, in either case:

Ultratech provides Veeco three business days' prior written notice of its intention to take such action, which notice includes reasonable detail with respect to any such facts, events, changes, developments or set of circumstances underlying such action;

during such three business day period described in the above bullet, Ultratech considers in good faith and discusses with Veeco and its representatives (if Veeco desires to discuss) any adjustments or modifications to the terms of the merger agreement; and

at the end of the three business day period described in the first bullet, the Veeco board determines in good faith after consultation with its financial advisors and outside legal counsel (after taking into account any adjustments or modifications to the terms of the merger agreement proposed in writing by Veeco during the period described in the first bullet) that the

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failure to take such action would be reasonably likely to result in a breach of its fiduciary duties under applicable law.

Any determination by the Ultratech board following the date of the merger agreement that the merger consideration payable in the merger is not sufficient will not in and of itself constitute grounds to make a change of recommendation pursuant to the preceding paragraph. In addition, a change in the trading price of Veeco common stock or Ultratech common stock will not constitute grounds to make a change of recommendation pursuant to the preceding paragraph (though the underlying facts giving rise or contributing to the change in the trading price of Ultratech common stock may be taken into account).

Reasonable Best Efforts to Consummate the Merger; Regulatory Filings

Subject to certain exceptions described below, Veeco and Ultratech have agreed to, and agreed to cause their respective affiliates to, cooperate with each other and use their respective reasonable best efforts to take, or cause to be taken, all actions and to do, or cause to be done, all things necessary, proper or advisable under applicable law to consummate the merger and the other transactions contemplated by the merger agreement as promptly as practicable, including (i) obtaining all necessary consents, approvals or waivers from third parties, (ii) preparing and filing as promptly as practicable after the date of the merger agreement with any governmental authority all documentation to effect all necessary filings, notices, petitions, statements, registrations, submissions of information, financial statements, records, applications and other documents (in each case, to the extent applicable), (iii) obtaining and maintaining all approvals, consents, registrations, permits, authorizations, licenses, waivers and other confirmations required to be obtained from any governmental authority that are necessary to consummate the transactions contemplated by the merger agreement, (iv) defending or contesting any action, suit or proceeding challenging the merger agreement or the transactions contemplated thereby, and (v) executing and delivering any additional instruments necessary to consummate the transactions contemplated by the merger agreement.

Each of Veeco and Ultratech has further agreed to, and to cause their respective affiliates to, cooperate with each other and use their reasonable best efforts to take, or cause to be taken, all actions and use reasonable best efforts to do, or cause to be done, all things necessary, proper or advisable under any applicable law to consummate the merger and the other transactions contemplated by the merger as promptly as practicable, including:

selling or otherwise disposing of, or holding separate and agreeing to sell or otherwise dispose of, assets, categories of assets or businesses of Ultratech or Veeco or their respective subsidiaries;

terminating existing relationships, contractual rights or obligations of Ultratech or Veeco or their respective subsidiaries;

terminating any venture or other arrangement;

creating any relationship, contractual rights or obligations of Ultratech or Veeco or their respective subsidiaries;

effectuating any other change or restructuring of Ultratech or Veeco or their respective subsidiaries;

and in each case, to enter into agreements or stipulate to the entry of an order or decree or file appropriate applications with the Federal Trade Commission, the Department of Justice or any attorney general of any state of the United States. Notwithstanding the foregoing, (1) neither Ultratech nor any of its subsidiaries may propose, consent to or take any of the above actions without Veeco's consent, (2) in no event will Veeco be required to license any of the intellectual property of Veeco, Ultratech or

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any of their respective subsidiaries and (3) neither Veeco, Ultratech nor any of their respective affiliates is required to consent to or commit any of the above actions unless:

the parties are informed by the Federal Trade Commission, the Department of Justice or any attorney general of any state of the United States that such actions are demanded and required as a condition to providing approval or resolving proceedings under any antitrust law; and

such actions, considered individually or in the aggregate with all other actions so demanded and required by a governmental authority, would not be deemed to have an adverse impact that is material to:

the reasonably anticipated benefits to Veeco of the transactions contemplated by the merger agreement;

the business of Veeco and its subsidiaries, taken as a whole; or

the business of Ultratech and its subsidiaries.

In addition, Veeco and Ultratech agree to not take, and to not permit their respective affiliates to take, any action (including the acquisition by it or its affiliates of any interest in any person that derives revenues from products, services or lines of business similar to Ultratech's products, services or lines of business) if such action would make it materially more likely that there would arise any impediments under any antitrust law that may be asserted by any governmental authority to the consummation of the transactions contemplated by the merger agreement as promptly as practicable.

In furtherance and not in limitation of the covenants described above, Ultratech and Veeco have agreed to:

as promptly as practicable, and in any event within five business days of the date of the merger agreement, make their respective filings and thereafter make any other required submissions under the HSR Act and as promptly as practicable, and in any event within fifteen business days of the date of the merger agreement, make their respective filings required pursuant to foreign antitrust laws in any specified foreign jurisdictions (collectively with the HSR Act, the "antitrust laws");

comply at the earliest practicable date with any request under any of the antitrust laws for additional information, documents, or other materials received by each of them or any of their respective subsidiaries or affiliates from any governmental authority in respect of such filings or such transactions;

cooperate with each other in connection with any such filing (including, to the extent permitted by applicable law, providing copies of all such documents to the non-filing parties prior to filing and considering all reasonable additions, deletions or changes suggested in connection therewith) and in connection with resolving any investigation or other inquiry of any governmental authority under any of the antitrust laws with respect to any such filing or any such transaction;

use its reasonable best efforts to furnish to each other all information required for any application or other filing to be made pursuant to any applicable law in connection with the transactions contemplated by the merger agreement.

Employee Matters

The merger agreement provides that Veeco will provide, or will cause the surviving corporation to provide, to each employee of Ultratech and its subsidiaries who continues to be employed by Veeco or one of its subsidiaries (including, following the closing of the merger, the surviving corporation) ("Ultratech Employees"): (i) for a period of twelve (12) months following the closing of the merger (or, if earlier, the termination of the applicable Ultratech Employee's employment with Veeco, the

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surviving corporation and their affiliates), base salaries or base wage levels at least equal to what the Ultratech Employees were receiving from Ultratech or its subsidiaries immediately before the closing of the merger, and (ii) for a period from and after the effective time of the merger until December 31, 2017 (or, if earlier, the termination of the applicable Ultratech Employee's employment with Veeco, the surviving corporation and their affiliates), health and welfare benefits that, taken as a whole, are substantially comparable in the aggregate to the health and welfare benefits provided by Ultratech or its subsidiaries to the Ultratech Employees immediately prior to the effective time of the merger (or, if more favorable to the Ultratech Employees, substantially comparable in the aggregate to the health and welfare benefits provided to similarly situated employees of Veeco and its affiliates).

Each Ultratech Employee will be given credit for his or her years of service with Ultratech before the effective time of the merger for purposes of determining eligibility to participate, level of benefits, vesting and benefit accruals; provided, however, that such service need not be recognized to the extent that such recognition would result in any duplication of benefits or for purposes of benefit accrual under any defined benefit pension plan (whether or not tax-qualified), supplemental retirement plan or similar plan or arrangement. In addition, from and after the effective time of the merger, Veeco will, or will cause the surviving corporation, to assume, honor and continue until December 31, 2017, or, if sooner, until all obligations thereunder have been satisfied, all of Ultratech's employment, severance, bonus, incentive compensation, commission, change in control, retention and termination plans and agreements, in each case, as in effect at the effective time of the merger, including with respect to any payments, benefits or rights arising as a result of the transactions contemplated by the merger agreement (either alone or in combination with any other event), without any amendment or modification, other than any amendment or modification required to comply with applicable law or with the consent of the applicable Ultratech Employee.

Veeco will use commercially reasonable efforts to waive, or will cause to be waived, all limitations as to preexisting condition limitations, exclusions, actively-at-work requirements and waiting periods with respect to participation and coverage requirements under any Ultratech employee benefit plan in which the continuing employees may be eligible to participate after the effective time and provide each continuing employee with credit for any co-payments and deductibles paid during the plan year in which the effective time occurs in satisfying any applicable deductible or out-of-pocket requirements under any Ultratech welfare benefit plan in which the continuing employees may be eligible to participate after the effective time.

Veeco has also agreed to terminate the Ultratech Retirement Savings Plan (the "Ultratech 401(k) Plan"), effective as of no later than the day immediately preceding the closing of the merger. However, Veeco may, in its sole and absolute discretion, make an election to sponsor and maintain the Ultratech 401(k) Plan by providing Ultratech with written notice three business days before the effective time of the merger.

Directors' and Officers' Indemnification and Insurance

Veeco has agreed, and has agreed to cause the surviving corporation to agree, that all rights to exculpation and indemnification from liabilities for acts or omissions occurring at or prior to the effective time and rights to advancement of expenses relating thereto now existing in favor of any person who is or has been at any time prior to the date of the effective time, a present or former director, officer, employee or agent (including as a fiduciary with respect to an employee benefit plan) of Ultratech, any of its subsidiaries or any of their respective predecessors (each, an "indemnified person") as provided in their respective articles of incorporation or bylaws or other organizational documents or in any other written agreement between Ultratech and an indemnified person containing any express indemnification provisions, between such indemnified persons and Ultratech or any of its subsidiaries that will survive the merger. Additionally, for a period of six years from the effective time, Veeco has agreed not to, and has agreed to cause the surviving corporation not to amend, repeal or

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otherwise modify such rights as provided in Ultratech's or any if its subsidiaries' articles of incorporation, bylaws, similar organizational documents or written agreement containing any express indemnification provisions between such indemnified persons and Ultratech or any of its subsidiaries in effect immediately prior to the effective time in any manner that would adversely affect any right thereunder of any such indemnified person.

For six years after the effective time, Veeco has agreed to, and has agreed to cause the surviving corporation to, indemnify and hold harmless all indemnified persons to the fullest extent permitted by the DGCL and any other applicable law in the event of any threatened or actual claim, suit, action, proceeding or investigation (a "claim"), whether civil, criminal or administrative, based in whole or in part on, or arising in whole or in part out of, or pertaining to (i) the fact that the indemnified person is or was a director (including in a capacity as a member of any board committee), officer, employee or agent of Ultratech, any of its subsidiaries or any of their respective predecessors or (ii) the merger agreement or any of the transactions contemplated thereby, whether in any case asserted or arising before, on or after the effective time, against any losses, claims, damages, liabilities, costs, expenses (including reasonable attorney's fees and expenses in advance of the final disposition of any claim, suit, proceeding or investigation to each indemnified person to the fullest extent permitted by law upon receipt of any undertaking required by applicable law), judgments, fines and amounts paid in settlement of or in connection with any such threatened or actual claim. Neither Veeco nor the surviving corporation will settle, compromise or consent to the entry of any judgment in any threatened or actual claim for which indemnification could be sought by an indemnified person hereunder, unless such settlement, compromise or consent includes an unconditional release of such indemnified person from all liability arising out of such claim or such indemnified person otherwise consents in writing to such settlement, compromise or consent. Veeco and the surviving corporation agree to cooperate with an indemnified person in the defense of any matter for which such indemnified person could seek indemnification hereunder.

Prior to the effective time, Ultratech has agreed to, or if Ultratech is unable to, Veeco will cause the surviving corporation as of the effective time to, obtain and fully pay the premium for the non-cancellable extension of the directors' and officers' liability coverage of Ultratech's existing directors' and officers' insurance policies and Ultratech's existing fiduciary liability insurance policies, in each case for a claims reporting or discovery period of at least six years from and after the effective time with respect to any claim related to any period of time at or prior to the effective time (including claims with respect to the adoption of the merger agreement and the consummation of the transactions contemplated thereby) with terms, conditions, retentions and limits of liability that are no less favorable than the coverage provided under Ultratech's existing policies; provided that Ultratech will give Veeco a reasonable opportunity to participate in the selection of such "tail" insurance policy and must in good faith consider any comments by Veeco with respect thereto; and provided that the premium per annum payable for such "tail" insurance policy does not exceed 300% of the amount per annum Ultratech paid in its last full fiscal year and if the cost for such "tail" insurance policy exceeds such amount, then Ultratech will obtain a policy with the greatest coverage available for a cost not exceeding such amount.

Litigation Related to the Transaction

Prior to the effective time or the termination of the merger agreement, Ultratech has agreed (subject to certain exceptions) not to settle any stockholder litigation against Ultratech and/or its directors and/or officers relating to the transactions contemplated by the merger agreement, including the merger, without Veeco's prior written consent (such consent not to be unreasonably withheld, conditioned or delayed).

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Stock Exchange Listing and Delisting

The merger agreement provides that Ultratech will cooperate with Veeco and use its reasonable best efforts to take, or cause to be taken, all actions, and do or cause to be done all things, reasonably necessary on its part under any applicable law and the rules and policies of Nasdaq to enable the delisting by the surviving corporation of Ultratech's common stock from Nasdaq and the termination of the registration of Ultratech's common stock under the Exchange Act as promptly as possible after the effective time. Additionally, the merger agreement provides that prior to the effective time, Veeco will file a notification of listing of additional shares (or such other form as may be required) with Nasdaq with respect to the shares of Veeco common stock to be issued in the merger, and will cause the shares of Veeco common stock to be issued in the merger to be reserved for issuance in connection with the merger to be approved for listing on the Nasdaq, subject to official notice of issuance.

Financing

Veeco and Merger Subsidiary have represented and warranted that (assuming the accuracy of Ultratech's representations related to available cash of Ultratech in the United States at closing) they have available, and will have available at or promptly after the effective time, cash or other sources of immediately available funds in an amount, together with the available cash of Ultratech in the United States at closing, sufficient to enable Veeco to satisfy all of Veeco's and Merger Subsidiary's obligations under the merger agreement. The closing is not subject to a financing condition.

Other Covenants

The merger agreement also contains other covenants relating to access to information, publicity, and notices of certain events.

Conditions to Closing

The obligations of Ultratech, Veeco and Merger Subsidiary to effect the merger are subject to the satisfaction or waiver (to the extent permitted by applicable law and other than the first condition below with respect to stockholder approval and adoption of the merger agreement which may not be waived by any party) at or prior to the effective time of each of the following conditions:

adoption of the merger agreement the affirmative vote of the holders of at least a majority of the outstanding shares of Ultratech common stock entitled to vote at the special meeting;

the absence of any temporary restraining order, preliminary or permanent injunction or other judgment that has been issued by any court of competent jurisdiction is pending or in effect that enjoins or otherwise prohibits the consummation of the merger;

the receipt of all required approvals and the expiration or termination of any applicable waiting period (or extensions thereof) applicable to the merger under the HSR Act;

the Form S-4 having become effective under the Securities Act and the Form S-4 not being the subject of any stop order suspending the effectiveness of the Form S-4 issued by the SEC or proceedings initiated by the SEC in connection with any stop order; and

the shares of Veeco common stock issuable in connection with the merger having been authorized for listing on Nasdaq, subject to official notice of issuance.

The obligations of Veeco and Merger Subsidiary to effect the merger are subject to the satisfaction or (to the extent permitted by applicable law) waiver at or prior to the effective time of the following further conditions:

the performance by Ultratech in all material respects of its obligations under the merger agreement required to be performed at or prior to the effective time;

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(i) the representations and warranties of Ultratech (other than certain representations with respect to corporate existence and power, corporate authorization, capitalization, finders' fees, available cash, and antitakeover statutes) contained in the merger agreement are true and correct in all respects (without giving effect to any limitation indicated by the words or phrases "Company Material Adverse Effect," "in all material respects," "material," or "materially" in such representations or warranties) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date), except where the failure of such representations and warranties to be so true and correct would not reasonably be expected to have, individually or in the aggregate, a "Company Material Adverse Effect", (ii) certain representations and warranties of Ultratech contained in the merger agreement with respect to capitalization are true and correct (other than de minimis inaccuracies) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date), (iii) the representations and warranties of Ultratech contained in the merger agreement with respect to corporate existence and power, corporate authorization, finders' fees and antitakeover statutes are true and correct in all material respects as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date) and (iv) the representations and warranties of Ultratech contained in the merger agreement with respect to Ultratech and its subsidiaries having \$180 million in cash on hand in the United States that is not subject to certain restrictions are true and correct in all respects as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time;

since February 2, 2017, a "Company Material Adverse Effect" (as defined in the Merger Agreement and described under "Material Adverse Effect") shall not have occurred; and

the delivery by Ultratech to Veeco of a certificate, dated as of the date on which the closing takes place and signed by the chief executive officer or another senior officer of Ultratech, certifying that the conditions set forth in the above bullets have been satisfied.

The obligation of Ultratech to effect the merger is further subject to the satisfaction or (to the extent permitted by applicable law) waiver at or prior to the effective time of the following further conditions:

the performance by each of Veeco and Merger Subsidiary in all material respects of its obligations under the merger agreement required to be performed at or prior to the effective time;

the representations and warranties of Veeco and Merger Subsidiary (other than certain representations with respect to corporate existence and power, corporate authorization, capitalization, financing, certain arrangements and finders' fees) contained in the merger agreement are true and correct in all respects (without giving effect to any limitation indicated by the words or phrases "Parent Material Adverse Effect," "in all material respects," "material," or "materially" in such representations or warranties) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date), except where the failure of such representations and warranties to be so true and correct would not reasonably be expected to have, individually or in the aggregate, a "Parent Material Adverse Effect", (ii) certain representations and warranties of Veeco and Merger Subsidiary

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contained in the merger agreement with respect to capitalization are true and correct (other than de minimis inaccuracies) as of the date of the merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date) and (iii) the representations and warranties of Veeco and Merger Subsidiary contained in the merger agreement with respect to corporate existence and power, corporate authorization, financing, certain arrangements and finders' fees are true and correct in all material respects as of the date of merger agreement and as of the date on which the closing takes place as if made at and as of such time (except those representations and warranties that expressly address matters only as of a particular earlier date, in which case as of that date);

since February 2, 2017, a "Parent Material Adverse Effect" (as defined in the Merger Agreement and described under "Material Adverse Effect") shall not have occurred; and

the delivery by Veeco to Ultratech of a certificate, dated as of the date on which the closing takes place and signed by the chief executive officer or another senior officer of Veeco, certifying that the conditions set forth in the above bullets have been satisfied.

The merger agreement provides that neither party may rely on the failure of any condition to closing to be satisfied if such failure was caused by that party's failure to comply with its obligations under the merger agreement.

Termination of the Merger Agreement

Mutual Termination Right

The merger agreement may be terminated and abandoned at any time prior to the effective time by the mutual written agreement of the Ultratech and Veeco.

Termination Rights Exercisable by Either Ultratech or Veeco

The merger agreement may also be terminated by either Ultratech or Veeco upon written notice to the other party if:

the merger has not been consummated on or before the date that is 270 days after the date of the merger agreement (such date, as it may be extended pursuant to the merger agreement, the "end date"); provided that this termination right will not be available to any party whose breach of any provision of the merger agreement has been the primary cause of, or primarily resulted in, the failure of the merger to be consummated on by the end date;

any restraint issued by any court of competent jurisdiction shall be in effect that permanently enjoins or otherwise permanently prohibits the consummation of the merger, and such restraint has become final and non-appealable; provided that the right to terminate the merger agreement pursuant to this termination right will not be available to any party unless such party is in material compliance with its obligations described in the section entitled "The Merger Agreement Reasonable Best Efforts to Consummate the Merger; Regulatory Filings" beginning on page 115 of this proxy statement/prospectus; or

if the special meeting (including any adjournment or postponement thereof) has concluded and the approval of the merger agreement by Ultratech's stockholders has not been obtained; provided that this termination right will not be available to Ultratech if the failure to obtain the approval of Ultratech's stockholders was due to Ultratech's failure to perform any of its obligations under the merger agreement or a breach of the Support Agreement described in the

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section entitles "The Support Agreement" beginning on page 125 of this proxy statement/prospectus by any party thereto other than Vecco.

Termination Rights of Veeco

Veeco may also terminate the merger agreement upon written notice to Ultratech if:

prior to obtaining the Ultratech stockholder approval, the Ultratech board has failed to make its recommendation in favor of the merger in the preliminary version of this proxy statement/prospectus, failed to include its recommendation of the merger in this proxy statement/prospectus at all times after the filing of the preliminary proxy statement/prospectus, failed to publicly reaffirm its recommendation in favor of the merger in accordance with the merger agreement or effected a change of its recommendation in favor of the merger, whether or not permitted by the terms of the merger agreement; or

Ultratech has breached or failed to perform any of its representations, warranties, covenants or other agreements under the merger agreement, which breach or failure would result in a failure of certain of the conditions to the consummation of the merger and such breach cannot be cured, or if capable of cure, has not been cured, by the date that is two business days before the end date; provided that this termination right will not be available to Veeco if Veeco's breach of provision of the merger agreement would cause certain of the conditions to the merger set forth in the merger agreement not to be satisfied.

Termination Rights of Ultratech

Ultratech may also terminate the merger agreement upon written notice to Veeco if:

prior to receipt of the Ultratech stockholder approval if, concurrently with such termination, Ultratech (i) enters into an alternative acquisition agreement that constitutes a superior proposal in accordance with the terms of the merger agreement and (ii) pays to Veeco a termination fee of \$26.5 million; or

Ultratech has breached or failed to perform any of its representations, warranties, covenants or other agreements under the merger agreement, which breach or failure would result in a failure of certain of the conditions to the consummation of the merger and such breach cannot be cured, or if capable of cure, has not been cured, by the date that is two business days before the end date; provided that this termination right will not be available to Ultratech if Ultratech's breach of provision of the merger agreement would cause certain of the conditions to the merger set forth in the merger agreement not to be satisfied.

Effect of Termination

In the event of a termination as described above under the section entitled " Termination of the Merger Agreement" beginning on page 121 of this proxy statement/prospectus, the Merger Agreement will become void and of no effect without liability of any party (or any stockholder, director, officer, employee, agent, consultant or representative of such party) to the other party to the merger agreement except for certain sections of the merger agreement, including provisions regarding termination, notices, termination fees and expenses, governing law, consent to jurisdiction, waiver of jury trials and specific performance. In addition, the confidentiality agreement entered into between Veeco and Ultratech will survive any termination of the merger agreement. Termination of the merger agreement will not relieve or release Ultratech or Veeco from any liabilities or damages arising out of such party's fraud or willful breach of any provision of the merger agreement.

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Termination Fee Payable by Ultratech

Ultratech will be required to pay Veeco a termination fee of \$26.5 million in cash in the following circumstances:

in the event the merger agreement is terminated by Veeco prior to obtaining the Ultratech stockholder approval because the Ultratech board has failed to make its recommendation in favor of the merger in the preliminary version of this proxy statement/prospectus, failed to include its recommendation of the merger in this proxy statement/prospectus at all times after the filing of the preliminary proxy statement/prospectus, failed to publicly reaffirm its recommendation in favor of the merger in accordance with the merger agreement or effected a change of its recommendation in favor of the merger, whether or not permitted by the terms of the merger agreement;

in the event the merger agreement is terminated by Ultratech prior to receipt of the Ultratech stockholder approval in order for Ultratech to enter into an alternative acquisition agreement that constitutes a superior proposal; or

if after the date of the merger agreement, (1) any "qualifying transaction" (which is an acquisition proposal, measured at a 50% threshold rather than a 20% threshold) is publicly made or announced and not withdrawn on or prior to the date that is five business days before the date of the special meeting and (2) thereafter (a) Ultratech or Veeco terminates the merger agreement because the Ultratech stockholder approval has not been obtained, (b) Veeco terminates the merger agreement because the merger has not been consummated on or before the end date or (c) Veeco terminates the merger agreement because Ultratech has breached or failed to perform any of its representations, warranties, covenants or other agreements under the merger agreement, which breach or failure would result in a failure of certain of the conditions to the consummation of the merger and such breach cannot be cured, or if capable of cure, has not been cured, by the date that is two business days before the end date, and (3) within twelve months of the termination of the merger agreement, Ultratech consummates a transaction regarding, or executes a definitive agreement with respect to, an qualifying transaction (whether or not it is the same qualifying transaction originally made or publicly announced prior to the special meeting).

In no event will Ultratech be obligated to pay such \$26.5 million termination fee on more than one occasion.

Fees and Expenses

Other than as described above in connection with the termination fee that may be payable by Ultratech, all costs and expenses incurred in connection with the merger agreement and the transactions contemplated by the merger agreement will be paid by the party incurring those costs or expenses.

Amendments; Waivers

At any time prior to the effective time, the parties may amend or waive any provision of the merger agreement if such amendment or waiver is in writing and signed, in the case of an amendment, by each party to the merger agreement or, in the case of a waiver, by each party against whom the waiver is to be effective, except that after the Ultratech stockholder approval has been obtained, the merger agreement does not permit any amendment or waiver that by applicable law requires further approval by the stockholders of Ultratech without such approval having been obtained.

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Governing Law and Venue; Waiver of Jury Trial

The parties agreed that the merger agreement will be governed by Delaware law, without regard to the conflicts of law rules of the State of Delaware. Each party agreed to irrevocably submit to the exclusive jurisdiction of the Court of Chancery of the State of Delaware and the United States District Court in Wilmington, Delaware for purposes of any suit, action or other proceeding arising out of the merger agreement, the other agreements contemplated by the merger agreement or the transactions contemplated thereby. Each party agreed to commence any action, suit or proceeding relating to the merger agreement either in the United States District Court in Wilmington, Delaware or if such suit, action or other proceeding may not be brought in such court for jurisdictional reasons, in the Court of Chancery of the State of Delaware, New Castle County. Each party further irrevocably waived any right such party may have to a trial by jury with respect to any action, suit or proceeding arising out of or relating to the merger agreement or the transactions contemplated by the merger agreement.

Specific Performance; Exclusive Remedy

The merger agreement provides that the parties have agreed that irreparable damage for which monetary damages, even if available, would not be an adequate remedy would occur in the event that the parties hereto do not perform their obligations under the provisions of the merger agreement (including failing to take such actions as are required of them hereunder to consummate the merger and the other transactions contemplated by the merger agreement) in accordance with its specified terms or otherwise breach such provisions. The merger agreement further provides that Ultratech and Vecco are entitled to seek to compel the other party to specifically perform its obligations under the merger agreement in addition to any other remedy to which they are entitled at law or in equity.

The merger agreement also provides that upon the any termination of the merger agreement under circumstances in which the termination fee is payable and such termination fee is paid in full, Veeco will be precluded from any other remedy against Ultratech, and neither Veeco nor Merger Subsidiary may seek to obtain any other recovery or damages of any kind in connection with the merger agreement or the merger.

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THE SUPPORT AGREEMENT

The following is a summary of the material terms and conditions of the Support Agreement. This summary does not purport to be complete and may not contain all of the information about the Support Agreement that is important to you.

In connection with the merger, the supporting stockholders entered into the Support Agreement on February 2, 2017 with Veeco, pursuant to which at all times during the period commencing on the date of the Support Agreement and continuing until the first to occur of (i) the effective time, (ii) the date and time of termination of the merger agreement, and (iii) the date and time, if any, at which the Ultratech board makes a change in recommendation (such time, the "support period"), each supporting stockholder agreed to, among other things, at every meeting of the stockholders of Ultratech (and at every adjournment or postponement thereof) called to seek, and in every other circumstance in which a vote, action, written consent resolution or other approval of the Ultratech stockholders is proposed seeking, the Ultratech stockholder approval, approval of the merger, adoption of the merger agreement, or approval or any other transaction document related to the merger or any other transaction pursuant to or contemplated by the merger agreement, and any matter that would reasonable be expected to facilitate the consummation of the merger, (A) if a meeting is held, appear at such meeting or otherwise cause such supporting stockholder's shares of Ultratech common stock, including any shares acquired by such supporting stockholder after the date of the Support Agreement (collectively, the "subject shares") to be counted as present at such meeting for purposes of establishing a quorum and (B) vote (or cause to be voted) the subject shares (1) in favor of granting the Ultratech stockholder approving the merger, adopting the merger agreement, and approving any other transaction document, any other transaction pursuant to or contemplated by the merger agreement, and any other matter that could reasonably be expected to facilitate the consummation of the merger and (2) against any acquisition proposal (other than the merger agreement and the merger) and any other matter that would reasonably be expected to impede, interfere with, delay, postpone or adversely affect the consummation of the merger or any of the transactions contemplated by the merger agreement.

The supporting stockholders also agreed, from the date of the Support Agreement until the earlier of the expiration of the support period and obtaining the Ultratech stockholder approval, subject to certain exceptions, not to (i) sell, transfer, exchange, pledge or otherwise dispose of any of the subject shares other than pursuant to the merger, (ii) enter into any voting arrangement, whether by proxy, power of attorney, voting agreement, voting trust or otherwise, with respect to the subject shares, (iii) enter into any swap or similar arrangement that transfers the economic consequences of ownership of the subject shares or (iv) make any offer or enter into any agreement providing for any of the foregoing actions. Further, during the support period, each supporting stockholder has agreed to grant to Veeco (and any designee of Veeco) an irrevocable proxy under the DGCL under certain circumstances to vote and to exercise all voting and consent rights of such supporting stockholder with respect to, the subject shares owned beneficially or of record by such supporting stockholder.

As of the close of business on April 20, 2017, the supporting stockholders owned in the aggregate 929,838 shares of Ultratech common stock (not including any shares of Ultratech common stock subject to Ultratech stock options or Ultratech RSUs), all of which are subject to the Support Agreement, representing approximately 3.4% of the shares of Ultratech common stock outstanding as of such date.

The Support Agreement will terminate on the earlier of (i) the effective time and (ii) the termination of the merger agreement.

Each supporting stockholder has entered into the Support Agreement solely in such supporting stockholder's capacity as stockholder of Ultratech and not in any other capacity.

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MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES

The following is a general discussion of certain U.S. federal income tax consequences of the merger to U.S. Holders and Non-U.S. Holders (each as defined below) of Ultratech common stock who exchange shares of Ultratech common stock for the transaction consideration pursuant to the merger. This discussion is for general information only and is not tax advice. It does not purport to address all aspects of U.S. federal income taxation that may be relevant to particular holders of Ultratech common stock in light of their particular facts and circumstances. This discussion is based on current provisions of the Internal Revenue Code of 1986, as amended (the "Code"), the Treasury regulations promulgated thereunder, judicial interpretations thereof and administrative rulings and published positions of the IRS, each as in effect as of the date hereof, and all of which are subject to change or differing interpretations, possibly with retroactive effect, and any such change could affect the accuracy of the statements and conclusions set forth herein.

This discussion is limited to such holders who hold their Ultratech common stock as a "capital asset" within the meaning of Section 1221 of the Code (generally, property held for investment), only and does not purport to address or consider all of the U.S. federal income tax consequences that may be relevant or applicable to holders of Ultratech common stock in light of their particular facts and circumstances. For instance, this discussion does not apply to holders of Ultratech common stock that are subject to special rules under the U.S. federal income tax laws (including, for example, banks or other financial institutions, dealers in securities or currencies, traders in securities that elect to apply a mark-to-market method of accounting, insurance companies, tax-exempt entities, entities or arrangements treated as partnerships for U.S. federal income tax purposes or other flow-through entities (and investors therein), subchapter S corporations, retirement plans, individual retirement accounts or other tax-deferred accounts, real estate investment trusts, regulated investment companies, holders liable for the alternative minimum tax, certain former citizens or former long-term residents of the United States, U.S. holders having a "functional currency" other than the U.S. dollar, holders who hold shares of Ultratech common stock as part of a hedge, straddle, constructive sale, conversion transaction or other integrated transaction, "controlled foreign corporations," "passive foreign investment companies," holders who exercise dissenters' rights, except to the extent described below, holders that hold (or that held, directly or constructively, at any time during the five year period ending on the date of the disposition of such holder's Ultratech common stock pursuant to the merger) 5% or more of the Ultratech common stock, and holders who acquired their shares of Ultratech common stock through the exercise of an employee stock option or otherwise as compensation or through a tax-qualified retirement plan). This discussion also does not address the tax consequences of the merger for holders of stock options and other equity-based awards with respect to Ultratech common stock. This discussion does not address any considerations under U.S. federal tax laws other than those pertaining to the income tax, nor does it address any considerations under any state, local or non-U.S. tax laws or under the unearned income Medicare contribution tax that may be relevant or applicable to a particular holder in connection with the merger.

If an entity or arrangement treated as a partnership for U.S. federal income tax purposes holds shares of Ultratech common stock, the tax treatment of a person treated as a partner in such partnership generally will depend on the status of the partner and the activities of the partnership. Persons that for U.S. federal income tax purposes are treated as a partner in a partnership holding shares of Ultratech common stock should consult their tax advisors regarding the tax consequences of the merger to them.

For purposes of this discussion, the term "U.S. Holder" means a beneficial owner of shares of Ultratech common stock that is, for U.S. federal income tax purposes:

an individual who is a citizen or resident of the United States;

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a corporation (or any other entity treated as a corporation for U.S. federal income tax purposes) created or organized under the laws of the United States, any state thereof, or the District of Columbia;

an estate, the income of which is subject to U.S. federal income tax regardless of its source; or

a trust (a) if a court within the United States is able to exercise primary supervision over the trust's administration and one or more U.S. persons have the authority to control all substantial decisions of the trust or (b) that has a valid election in effect under applicable Treasury regulations to be treated as a U.S. person for U.S. federal income tax purposes.

For purposes of this discussion, the term "Non-U.S. Holder" means a beneficial owner of shares of Ultratech common stock that is neither a U.S. Holder nor a partnership for U.S. federal income tax purposes.

THIS DISCUSSION IS INTENDED ONLY AS A GENERAL SUMMARY OF THE U.S. FEDERAL INCOME TAX CONSEQUENCES TO A BENEFICIAL OWNER OF SHARES OF ULTRATECH COMMON STOCK. WE URGE BENEFICIAL OWNERS OF SHARES OF ULTRATECH COMMON STOCK TO CONSULT THEIR TAX ADVISORS WITH RESPECT TO THE SPECIFIC TAX CONSEQUENCES OF THE MERGER IN LIGHT OF THEIR PARTICULAR CIRCUMSTANCES, INCLUDING FEDERAL ESTATE, GIFT AND OTHER NON-INCOME TAX CONSEQUENCES, AND TAX CONSEQUENCES UNDER STATE, LOCAL OR FOREIGN TAX LAWS, INCLUDING POSSIBLE CHANGES IN SUCH LAWS.

U.S. Federal Income Tax Consequences of the Merger to U.S. Holders

A U.S. Holder's receipt of shares of Veeco common stock and cash for shares of Ultratech common stock pursuant to the merger will generally be a taxable transaction for U.S. federal income tax purposes, and a U.S. Holder who receives shares of Veeco common stock and cash in exchange for shares of Ultratech common stock in the merger will recognize gain or loss equal to the difference, if any, between (a) the sum of (i) the fair market value of the shares of Veeco common stock (determined at the time the merger is effective) and (ii) the amount of cash received, and (b) the holder's adjusted tax basis in the Ultratech shares exchanged for the right to receive the shares of Veeco common stock and cash in the merger. A U.S. Holder's adjusted tax basis will generally equal the price the U.S. Holder paid for such shares. Gain or loss will be determined separately for each block of shares of Ultratech common stock (that is, shares acquired at the same cost in a single transaction). Such gain or loss will be capital gain or loss, and will be long-term capital gain or loss if the U.S. Holder's holding period for the shares is more than one year at the effective time of the merger. Long-term capital gain recognized by a non-corporate holder generally is subject to tax at a reduced rate. There are limitations on the deductibility of capital losses.

A U.S. Holder's holding period in the shares of Veeco common stock received begins the day after the date on which the Merger becomes effective. The U.S. Holder's basis in the Veeco common stock received will be equal to its fair market value at the time the merger is effective.

THE FOREGOING SUMMARY DOES NOT DISCUSS ALL ASPECTS OF U.S. FEDERAL INCOME TAXATION THAT MAY BE RELEVANT TO PARTICULAR BENEFICIAL OWNERS OF SHARES OF ULTRATECH COMMON STOCK. BENEFICIAL OWNERS OF SHARES OF ULTRATECH COMMON STOCK ARE URGED TO CONSULT THEIR TAX ADVISORS AS TO THE PARTICULAR TAX CONSEQUENCES TO THEM OF THE RECEIPT OF VEECO COMMON STOCK AND CASH FOR THEIR SHARES ULTRATECH COMMON STOCK PURSUANT TO THE MERGER UNDER ANY U.S. FEDERAL, STATE, FOREIGN, LOCAL OR OTHER TAX LAWS.

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U.S. Federal Income Tax Consequences of the Merger to Non-U.S. Holders

In general, the merger to Non-U.S. Holders that receive a combination of shares of Veeco common stock and cash in exchange for shares of Ultratech common stock pursuant to the merger will not be subject to U.S. federal income tax or withholding tax on any gain realized in connection with the merger unless:

such gain is effectively connected with the Non-U.S. Holder's conduct of a trade or business within the United States (and, if required by an applicable income tax treaty, is attributable to a permanent establishment of the Non-U.S. Holder in the United States);

the Non-U.S. Holder is an individual who is present in the United States for 183 days or more in the taxable year in which the gain is realized and certain other conditions are met; or

Ultratech was a "United States real property holding corporation" ("USRPHC") within the meaning of Section 897(c)(2) of the Code for U.S. federal income tax purposes within the five years preceding the merger and the Non-U.S. Holder owned, actually or constructively, more than 5% of the Ultratech common stock at any time during the five year period preceding the merger. In general, the company would be a USRPHC if interests in U.S. real estate comprised most of its assets. Although there can be no assurances in this regard, Ultratech does not believe it is, or has been during the five years preceding the merger, a USRPHC for U.S. federal income tax purposes.

Gain described in the first bullet point above generally will be subject to U.S. federal income tax on a net income basis at the regular graduated U.S. federal income tax rates in the same manner as if such Non-U.S. Holder were a U.S. person. A Non-U.S. Holder that is a corporation also may be subject to an additional branch profits tax at a rate of 30% (or such lower rate as may be specified by an applicable income tax treaty) on its "effectively connected earnings and profits" for the taxable year, subject to certain adjustments.

Gain described in the second bullet point above will be subject to U.S. federal income tax at a 30% rate (or such lower rate as may be specified by an applicable income tax treaty), but may be offset by U.S. source capital losses, if any, of the Non-U.S. Holder.

Non-U.S. Holders should consult their own tax advisors regarding the tax consequences to them of the merger.

Information Reporting and Backup Withholding

Payments to a U.S. Holder of Ultratech common stock may, under certain circumstances, be subject to information reporting and backup withholding, unless the U.S. Holder provides proof of an applicable exemption or furnishes its taxpayer identification number and otherwise complies with all applicable requirements of the backup withholding rules. Certain holders (such as corporations and Non-U.S. Holders) are exempt from backup withholding. Non-U.S. Holders may be required to comply with certification requirements and identification procedures in order to establish an exemption from information reporting and backup withholding. Any amount paid as backup withholding does not constitute an additional tax and will be creditable against a holder's U.S. federal income tax liability, provided the required information is given to the IRS in a timely manner. If backup withholding results in an overpayment of tax, a holder may obtain a refund by filing a U.S. federal income tax return in a timely manner. Holders are urged to consult their tax advisors as to qualifications for exemption from backup withholding and the procedure for obtaining the exemption.

THE PRECEDING DISCUSSION IS INTENDED ONLY AS A SUMMARY OF U.S. FEDERAL INCOME TAX CONSEQUENCES OF THE MERGER. IT IS NOT A COMPLETE ANALYSIS OR DISCUSSION OF ALL POTENTIAL TAX EFFECTS THAT MAY BE IMPORTANT TO A PARTICULAR HOLDER. ALL HOLDERS OF ULTRATECH COMMON STOCK SHOULD CONSULT THEIR OWN TAX ADVISORS AS TO THE SPECIFIC TAX CONSEQUENCES OF THE MERGER TO THEM, INCLUDING TAX REPORTING REQUIREMENTS, AND THE APPLICABILITY AND EFFECT OF ANY FEDERAL, STATE, LOCAL AND NON-U.S. TAX LAWS.

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ACCOUNTING TREATMENT

Veeco prepares its financial statements in accordance with GAAP. The merger will be accounted for using the acquisition method of accounting. Veeco will be treated as the acquiror for accounting purposes. Veeco will record assets acquired, including identifiable intangible assets, and liabilities assumed from Ultratech at their respective fair values at the date of completion of the merger. Any excess of the purchase price (as described under Note 1 "Basis of Pro Forma Presentation" under "Unaudited Pro Forma Condensed Combined Financial Information Notes to Unaudited Pro Forma Condensed Combined Financial Information" beginning on page 25) over the net fair value of such assets and liabilities will be recorded as goodwill.

The financial condition and results of operations of Veeco after completion of the merger will reflect Ultratech after completion of the merger, but will not be restated retroactively to reflect the historical financial condition or results of operations of Ultratech. The earnings of Veeco following completion of the merger will reflect acquisition accounting adjustments, including the effect of changes in the carrying value for assets and liabilities on depreciation expense, amortization expense and interest expense. Indefinite-lived intangible assets, including certain trademarks, and goodwill will not be amortized but will be tested for impairment at least annually, and all tangible and intangible assets including goodwill will be tested for impairment when certain indicators are present. If, in the future, Veeco determines that tangible or intangible assets (including goodwill) are impaired, Veeco would record an impairment charge at that time.

ULTRATECH SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth certain information with respect to beneficial ownership of Ultratech common stock as of March 31, 2017 (unless otherwise stated in the footnotes) by (i) all persons known to the Company who are or who may be deemed beneficial owners of five percent (5%) or more of the Company's common stock based solely on a review of Form 4, Schedule 13G and Schedule 13D filings with the Securities and Exchange Commission since January 1, 2017, (ii) each director of the Company, (iii) the named executive officers and (iv) all current directors and executive officers as a group. Unless otherwise indicated, the principal address of each of the stockholders below is c/o Ultratech, Inc., 3050 Zanker Road, San Jose, CA, 95134. Unless otherwise indicated, each of the security holders has sole voting and investment power with respect to the shares beneficially owned, subject to community property laws, where applicable. Except as otherwise indicated in the footnotes to the table or for shares of common stock held in brokerage accounts, which may from time to time, together with other securities held in those accounts, serve as collateral for margin loans made from such accounts, none of the shares reported as beneficially owned are currently pledged as securities for any outstanding loan or indebtedness.

	Shares of Common Stock Beneficially	Percentage of Shares
Name and Address of Beneficial Owner ⁽¹⁾	Owned	Beneficially Owned ⁽¹⁾
BlackRock, Inc. (2)	3,093,715	11.36%
40 East 52nd Street		
New York, NY 10022		
Carlson Entities ⁽³⁾		
	2,643,986	9.71%
2100 McKinney Avenue, Suite 1800		
Dallas, TX 75201		
The Vanguard Group, Inc. (4)		
	2,119,137	7.78%
100 Vanguard Blvd.		
Malvern, PA 19355		
Frontier Capital Management Co., LLC ⁽⁵⁾		
	1,944,755	7.14%
99 Summer Street		
Boston, MA 02110		
Dimensional Fund Advisors LP ⁽⁶⁾	4 = 44 = 00	
D 1111 O	1,741,202	6.39%
Building One		
6300 Bee Cave Road		
Austin, TX 78746		
Adage Capital Partners, L.P. ⁽⁷⁾	1 ((4.701	C 110
Adama Carital Darta and CD L L C	1,664,721	6.11%
Adage Capital Advisors J. L.C.		
Adage Capital Advisors, L.L.C. Mr. Robert Atchison		
Mr. Philip Gross 200 Clarendon Street, 52 nd Floor		
Boston, MA 02116		
Veeco Instruments ⁽⁸⁾		
veeco instruments	1,740,687	6.39%
Terminal Drive	1,740,007	0.39 //
Plainview, NY 11803		
Arthur W. Zafiropoulo ⁽⁹⁾		
maiai 11. Zamopoulo	834,623	3.07%
	130	5.0770
	130	

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Name and Address of Beneficial Owner ⁽¹⁾	Shares of Common Stock Beneficially Owned	Percentage of Shares Beneficially Owned ⁽¹⁾
Bruce R. Wright ⁽¹⁰⁾⁽¹³⁾	459,493	1.69%
Tammy Landon ⁽¹¹⁾⁽¹³⁾	64,469	*
Dave Ghosh ⁽¹²⁾⁽¹³⁾	81,922	*
Michael Child ⁽¹³⁾	32,180	*
Dennis R. Raney ⁽¹³⁾	45,500	*
Henri Richard ⁽¹³⁾	43,000	*
Ronald Black ⁽¹³⁾	0	*
Beatriz V. Infante ⁽¹³⁾	0	*
Paramesh Gopi ⁽¹³⁾	0	*
All current directors and executive officers as a group (10 persons)	1,740,687	6.39%

- Less than one percent (1%) of the outstanding common stock.
- Percentage of ownership is based on 27,229,010 of common stock issued and outstanding on March 31, 2017. This percentage also takes into account the common stock to which such individual or entity has the right to acquire beneficial ownership within sixty (60) days after March 31, 2017, including, but not limited to, through the exercise of options or pursuant to outstanding RSUs; however, such common stock will not be deemed outstanding for the purpose of computing the percentage owned by any other individual or entity. Such calculation is required by Rule 13d-3(d)(1)(i) under the Securities Exchange Act of 1934, as amended.
- (2) Information regarding BlackRock, Inc. is based on its Schedule 13G/A filed with the Securities and Exchange Commission on January 17, 2017.
- Information regarding Double Black Diamond Offshore Ltd., Black Diamond Relative Value Offshore Ltd, Black Diamond Relative Value Cayman, L.P., Black Diamond Offshore Ltd., Black Diamond SRI Offshore Ltd., Carlson Capital L.P., Asgard Investment Corp. II and Asgard Investment Corp. (the "Carlson Entities") are based on their Schedule 13D/A filed with the Securities and Exchange Commission on July 27, 2016. According to the Carlson 13D/A the following entities beneficially own the following subset of the 2,643,986 shares beneficially owned collectively by the Carlson Entities: Double Black Diamond Offshore Ltd. 1,339,830 shares; Black Diamond Relative Value Offshore Ltd. 1,000,625 shares; Black Diamond Relative Value Cayman, L.P. 182,634 shares; Black Diamond Offshore Ltd. 52,008 shares; and Black Diamond SRI Offshore Ltd. 44,200 shares.
- (4) Information regarding The Vanguard Group, Inc. is based on its Schedule 13G/A filed with the Securities and Exchange Commission on February 13, 2017.
- (5)
 Information regarding Frontier Capital Management Co. LLC is based on its Schedule 13G/A filed with the Securities and Exchange Commission on February 10, 2017.
- (6) Information regarding Dimensional Fund Advisors LP is based on its Schedule 13G filed with the Securities and Exchange Commission on February 9, 2017.
- (7)
 Information regarding Adage Capital Partners, L.P., Adage Capital Partners GP, L.L.C., Adage Capital Advisors, L.L.C, Robert
 Atchison and Phillip Gross is based on their Schedule 13G/A filed with the Securities and Exchange Commission on February 9, 2017.
- In accordance with the merger agreement, certain stockholders of Ultratech (including certain members of the Ultratech's management and all members of the Board) who are beneficial owners of approximately 6.39% of the outstanding shares of Ultratech stock entered into the Support

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Agreement with Veeco whereby such stockholders agreed, among other things, to vote the shares of Ultratech stock owned and/or controlled by such stockholder in favor of approval of the merger, adoption of the merger agreement and the consummation of the merger, as well as such other matters set forth in the Support Agreements. Each Support Agreement also contains a "lock-up" provision that, subject to limited exceptions, prevents the stockholders party thereto from transferring their shares of Ultratech stock. See the section entitled "The Support Agreement" beginning on page 125 of this proxy statement/prospectus.

- (9)
 Consists of (i) 222,237 shares held in the name of Arthur W. Zafiropoulo, trustee of the Separate Property Trust, dated July 20, 1998, for the benefit of Arthur W. Zafiropoulo, (ii) 457,386 shares held in the name of Arthur W. Zafiropoulo for the benefit of Arthur W. Zafiropoulo and Lisa Zafiropoulo Joint Account and (iii) 155,000 shares of the Company's common stock subject to options which are currently exercisable or will become exercisable within 60 days after March 31, 2017.
- (10) Includes 339,328 shares of the Company's common stock subject to options, which are currently exercisable or will become exercisable within 60 days after March 31, 2017.
- (11) Includes 60,471 shares of the Company's common stock subject to options, which are currently exercisable or will become exercisable within 60 days after March 31, 2017.
- (12) Includes 76,550 shares of the Company's common stock subject to options, which are currently exercisable or will become exercisable within 60 days after March 31, 2017.
- (13)

 This member of Ultratech's management or Board of Directors has signed the Support Agreement with Veeco. See footnote (8) above.

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DESCRIPTION OF VEECO CAPITAL STOCK

The following summary of Veeco's capital stock and certain provisions of Delaware law are qualified in their entirety by reference to the Veeco charter and the Veeco bylaws, which are incorporated herein by reference into this proxy statement/prospectus, and the General Corporation Law of the State of Delaware. See "Where You Can Find More Information" for more information about the documents incorporated by reference into this proxy statement/prospectus.

General

Veeco is authorized to issue 120,000,000 shares of common stock, par value \$0.01 per share, of which approximately 40,568,473 shares were outstanding on April 17, 2017. Veeco's common stock trades on The NASDAQ Global Select Market under the symbol "VECO."

Voting and Other Rights

Holders of Veeco's common stock are entitled to one vote per share on all matters to be voted upon by the stockholders. Holders of Veeco's common stock are not entitled to cumulate votes for the election of directors. In general, a majority of votes cast on a matter is sufficient to take action upon routine matters; however, the election of directors requires a plurality of votes cast.

In the event of Veeco's liquidation, dissolution or winding up, holders of Veeco's common stock will be entitled to share ratably in all assets remaining after payment of liabilities, subject to prior distribution rights of any preferred stock then outstanding.

Veeco's common stock does not have any preemptive rights, redemption privileges, sinking fund privileges, or conversion rights and is not subject to further calls or assessments by Veeco. All the outstanding shares of Veeco's common stock are validly issued, fully paid, and nonassessable.

Anti-Takeover Provisions

Provisions of Delaware law, the Veeco charter and Veeco bylaws may have the effect of delaying, deferring or discouraging another party from acquiring control of us. These provisions include:

"blank check" preferred stock,

a classified board of directors, and

certain certificate of incorporation and bylaw provisions.

The Veeco board has the authority to issue up to 500,000 shares of preferred stock and to fix the rights (including voting rights), preferences and privileges of these shares ("blank check" preferred). Such preferred stock may have rights, including economic rights, senior to Veeco's common stock. As a result, the issuance of the preferred stock could have a material adverse effect on the price of Veeco's common stock and could make it more difficult for a third party to acquire a majority of Veeco's outstanding common stock.

The Veeco board is divided into three classes with each class serving a staggered three-year term. The existence of a classified board will make it more difficult for Veeco's shareholders to change the composition (and therefore the policies) of the Veeco board in a relatively short period of time.

Veeco has adopted certain certificate of incorporation and bylaw provisions which may have anti-takeover effects. These include:
(a) requiring certain actions to be taken at a meeting of shareholders rather than by written consent, (b) limiting the maximum number of directors, and (c) providing that directors may be removed only for "cause." These measures and those described above may have the effect of delaying, deferring or preventing a takeover or other change in control of Veeco that a holder of Veeco's common stock might consider in its

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In addition, Veeco is subject to the provisions of Section 203 of the General Corporation Law of the State of Delaware, which prohibits a Delaware corporation from engaging in any business combination, including mergers and asset sales, with an interested stockholder (generally, a 15% or greater stockholder) for a period of three years after the date of the transaction in which the person became an interested stockholder, unless the business combination is approved in a prescribed manner. The operation of Section 203 may have anti-takeover effects, which could delay, defer or prevent a takeover attempt that a holder of Veeco's common stock might consider in its best interest.

Dividends

Veeco has not paid dividends on Veeco's common stock. Veeco intends to retain future earnings for the development of Veeco's business and, therefore, does not anticipate that the Veeco board will declare or pay any dividends on the common stock in the foreseeable future. The Veeco board will determine future dividend policy, in its sole discretion, based on Veeco's consolidated results of operations, financial condition, capital requirements and other circumstances.

Transfer Agent

American Stock Transfer & Trust Company, LLC acts as the transfer agent and registrar for Veeco's common stock.

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COMPARISON OF STOCKHOLDERS' RIGHTS

Veeco and Ultratech are both incorporated under Delaware law. Differences, therefore, between the rights of Veeco stockholders and the rights of Ultratech stockholders result from differences in the companies' respective certificates of incorporation and bylaws. Upon completion of the Merger, the rights of Ultratech stockholders who become holders of Veeco common stock in the Merger will be governed by Delaware law, the Veeco Charter and the Veeco Bylaws.

The following is a summary of the material differences between the rights of holders of Veeco common stock and the rights of holders of Ultratech common stock, but does not purport to be a complete description of those differences, or a complete description of the specific provisions referred to in this summary. The identification of specific differences is not intended to indicate that other equally significant or more significant differences do not exist. The Veeco Charter, the Veeco Bylaws, the Ultratech Charter and the Ultratech Bylaws are subject to amendment in accordance with their terms. Copies of these governing corporate instruments as currently in effect are available, without charge, to any person, including any beneficial owner to whom this proxy statement/prospectus is delivered, by following the instructions listed under "Where You Can Find More Information" beginning on page 143 of this proxy statement/prospectus.

Hitrateck

Authorized Shares. The aggregate number of shares that Ultratech is authorized to issue is 82,000,000, consisting of (i) 80,000,000 shares of common stock, par value \$0.001 per share, and (ii) 2,000,000 shares of preferred stock, par value \$0.001 per share.

Common Stock. As of December 31, 2016, Ultratech had 31,033,139 issued shares of common stock, of which 26,950,338 shares were outstanding and 4,082,801 shares were held in treasury.

Preferred Stock. The Ultratech Charter authorizes the Ultratech board to issue preferred stock in one or more series, to establish from time to time the number of shares to be included in each such series, and to fix the designation, powers, preferences and rights of the shares of each such series and the qualifications, limitations or restrictions thereof. The rights of preferred stockholders may supersede the rights of common stockholders.

As of December 31, 2016, Ultratech does not have any preferred stock issued and outstanding. Ultratech has no current plans to issue any shares of preferred stock.

Veeco

Authorized Shares. The aggregate number of shares that Veeco is authorized to issue is 120,500,000, consisting of (i) 120,000,000 shares of common stock, par value \$0.01 per share, and (ii) 500,000 shares of preferred stock, par value \$0.01 per share.

Common Stock. As of December 31, 2016, Veeco had 40,714,790 issued shares of common stock, of which 40,588,194 shares were outstanding and 126,596 shares were held in treasury.

Preferred Stock. The Veeco Charter authorizes the Veeco board to issue preferred stock in one or more series, to establish from time to time the number of shares to be included in each such series, and to fix the designation, powers, preferences and rights of the shares of each such series and the qualifications, limitations or restrictions thereof. The rights of preferred stockholders may supersede the rights of common stockholders.

As of December 31, 2016, Veeco does not have any preferred stock issued and outstanding. Veeco has no current plans to issue any shares of preferred stock.

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Ultratech Veeco

Voting Rights

Under the Ultratech Bylaws, each stockholder is entitled to one vote for each share of capital stock held by such stockholder. Except as otherwise required by law, all matters shall be determined by a majority of the votes cast affirmatively or negatively. Under the Veeco Bylaws, each stockholder is entitled to one vote for each share of capital stock held by such stockholder. Except as otherwise required by law, all matters shall be determined by a majority of the votes cast affirmatively or negatively; except that a nominee for director shall be elected to the Veeco board if the votes cast for such nominee's election exceed the votes cast against such nominee's election. For this purpose, votes cast shall include votes to withhold authority and exclude abstentions with respect to that director's election. Notwithstanding the immediately preceding sentence, in the event of a contested election of directors, directors shall be elected by the vote of a plurality of the votes cast.

The Ultratech Charter does not provide for cumulative voting in the election of directors.

The Veeco Charter does not provide for cumulative voting in the election of directors.

Amendments to the Charter

Under the DGCL, a charter amendment requires a board resolution setting forth the amendment proposed and declaring its advisability and approval by a majority of the outstanding stock entitled to vote thereon, and, if applicable, a majority of the outstanding stock of each class entitled to vote thereon, unless the charter requires a greater proportion for approval. The Ultratech Charter does not require a greater proportion for approval.

Under the DGCL, a charter amendment requires a board resolution setting forth the amendment proposed and declaring its advisability and approval by a majority of the outstanding stock entitled to vote thereon, and, if applicable, a majority of the outstanding stock of each class entitled to vote thereon, unless the charter requires a greater proportion for approval. The Veeco Charter does not require a greater proportion for approval.

Amendment to the Bylaws

Under the Ultratech Charter, the Ultratech board may make, alter or repeal any Ultratech Bylaws without the approval of Ultratech stockholders. Under the Ultratech Bylaws, the affirmative vote of a majority of the Ultratech board shall be required to adopt, amend, alter or repeal the Ultratech Bylaws. Under the Ultratech Bylaws, the Ultratech Bylaws may also be adopted, amended, altered or repealed by the affirmative vote of the holders of a majority of the outstanding shares of Ultratech common stock.

Under the Veeco Charter, the Veeco board may make, alter or repeal any Veeco Bylaws without the approval of Veeco stockholders. Under the Veeco Bylaws, the affirmative vote of a majority of the Veeco board shall be required to adopt, amend, alter or repeal the Veeco Bylaws. Under the Veeco Bylaws, the Veeco Bylaws may also be adopted, amended, altered or repealed by the affirmative vote of the holders of a majority of the outstanding shares of Veeco common stock.

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Ultratech Veeco

Special Meetings of Stockholders

The Ultratech Bylaws provide that a special meeting of the stockholders may be called at any time by the Ultratech board, by the chairman of the Ultratech board or by the chief executive officer. A special meeting may not be called by any other person or persons.

The Veeco Bylaws provide that a special meeting of stockholders may be called at any time by the Veeco board, by the chief executive officer, or by the holders of 50% of the outstanding Veeco shares entitled to vote. A special meeting may not be called by any other person or persons.

Only such business shall be considered at a special meeting of stockholders as shall have been stated in the notice for such meeting. Only such business shall be considered at a special meeting of stockholders as shall have been stated in the notice for such meeting.

Notice of the time and place of every meeting of stockholders must be given in writing not less than 10 but no more than 60 days prior to the meeting.

Notice of the time and place of every meeting of stockholders must be given in writing not less than 10 but no more than 60 days prior to the meeting.

Stockholder Proposals and Nominations

Under the Ultratech Bylaws, for business to be properly brought before an annual meeting by a stockholder, the stockholder must have given timely notice thereof in writing to the secretary of Ultratech, and such notice should be in proper form. Under the Veeco Bylaws, for business to be properly brought before an annual meeting by a stockholder, the stockholder must have given timely notice thereof in writing to secretary of Veeco, and such notice should be in proper form.

To be timely, a stockholder's notice must be delivered to or mailed and received at the principal executive offices of Ultratech not less than 90 calendar days nor more than 120 days prior to the anniversary date of the previous year's annual meeting of stockholders; provided, however, that in the event that the date of the annual meeting is more than 30 days before or more than 70 days after such anniversary date, notice by the stockholder, to be timely, must be received not earlier than the close of business on the 120th calendar day and not later than the 90th calendar day in advance of such annual meeting or ten calendar days following the date on which public announcement of the date of the meeting is first made. In the case of a special meeting, to be timely, such notice must be received at the principal executive offices of Ultratech not earlier than the close of business on the 120th calendar day and not later than the 90th calendar day in advance of such annual meeting or not later than the tenth day following the day on which public announcement of the date of the meeting was made.

To be timely, a stockholder's notice must be delivered to or mailed and received at the principal executive offices of Veeco not less than 90 calendar days nor more than 120 days prior to the anniversary date of the previous year's annual meeting of stockholders; provided, however, that in the event that the date of the annual meeting is more than 30 days before or more than 60 days after such anniversary date, notice by the stockholder, to be timely, must be received not later than the close of business on the tenth day following the day on which public announcement of the meeting was made. In the case of a special meeting, to be timely, such notice must be received at the principal executive offices of Veeco not later than the tenth day following the day on which public announcement of the date of the meeting was made.

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Ultratech

To be in proper written form, the stockholder's notice to the secretary must comply with certain requirements further described in Section 2.5(A)(2) of the Ultratech Bylaws.

No business shall be conducted at an annual meeting except in accordance with the procedures set forth in Section 2.5 of Ultratech's Bylaws. If the chairman of the meeting determines that any business was not properly brought before the meeting, he or she shall so declare at the meeting that any such business was not properly brought before the meeting and shall not be transacted.

Nominations for the Ultratech board are also subject to the timing and delivery provisions described above. The stockholder's notice to the secretary must comply with certain requirements further described in Section 2.5(A)(2) of the Ultratech Bylaws.

Stockholder action by written consent is prohibited by the Ultratech Charter and the Ultratech Bylaws.

Veeco

To be in proper written form, the stockholder's notice to the secretary must comply with certain requirements further described in Section 1.5(e) of the Veeco Bylaws.

No business shall be conducted at an annual meeting except in accordance with the procedures set forth in Section 1.5 of Veeco's Bylaws. If the chairman of the meeting determines that any business was not properly brought before the meeting, he or she shall so declare at the meeting that any such business was not properly brought before the meeting and shall not be transacted.

Nominations for the Veeco board are also subject to the timing and delivery provisions described above. The stockholder's notice to the secretary must comply with certain requirements further described in Section 2.2(d) of the Veeco Bylaws.

Stockholder action by written consent is prohibited by the Veeco Charter and the Veeco Bylaws.

Board of Directors Number of Directors

Ultratech's Bylaws provide that the number of directors will be fixed from time to time by resolution of the Ultratech board.

The Veeco Bylaws provide that the number of directors will be not less than three nor more than eleven members, as determined from time to time by resolution adopted by a majority vote of the directors then serving. No decrease in the number of directors that constitutes the Veeco board may shorten the term of any incumbent director.

The Ultratech board currently consists of seven directors.

The Veeco board currently consists of seven directors.

Classification

The Ultratech board is divided into two classes, designated as Class I and Class II. Under the Ultratech Charter, each director of the class whose term is then expiring is elected at the annual meeting of stockholders for a term of two years.

The Veeco board is divided into three classes, designated as Class I, Class II and Class III. Under the Veeco Charter and Veeco Bylaws, each director of the class whose term is then expiring is elected at the annual meeting of stockholders for a term of three years.

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Ultratech Veeco

Removal

Under Delaware law, any director, directors or the entire Ultratech board may be removed, but only for cause, by the holders of a majority of the shares then entitled to vote at an election of directors. Under the Veeco Bylaws, any director or the entire Veeco board may be removed, but only for cause, by a vote of the stockholders at a meeting duly called for such purpose.

Vacancies

Under the Ultratech Bylaws, only a majority of the directors then in office, although less than a quorum, shall have power to fill a vacancy or vacancies on the Ultratech board, including any newly created directorship resulting from an increase in the authorized number of directors.

Under the Veeco Bylaws, only a majority of the directors then in office, although less than a quorum, shall have power to fill a vacancy or vacancies on the Veeco board, including any newly created directorship resulting from an increase in the authorized number of directors.

Director Liability and Indemnification

Under the Ultratech Charter, no director will be personally liable to Ultratech or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty, (ii) under DGCL Section 174 (concerning unlawful distributions to stockholders) or (iii) for any transaction from which the director derived an improper personal benefit.

Ultratech's Bylaws provide that Ultratech will indemnify, to the fullest extent of the DGCL, each of its directors and officers against expenses (including attorney's fees), judgments, fines, settlements and other amounts reasonably incurred in connection with any proceeding, arising by reason of the fact that such person is or was a director or officer of Ultratech.

Under the Veeco Charter, no director will be personally liable to Veeco or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under DGCL Section 174 (concerning unlawful distributions to stockholders) or (iv) for any transaction from which the director derived an improper personal benefit.

Veeco's Bylaws provide that Veeco will indemnify, to the fullest extent of the DGCL, each of its directors and officers against expenses (including attorney's fees), judgments, fines, settlements and other amounts reasonably incurred in connection with any proceeding, arising by reason of the fact that such person is or was a director or officer of Veeco.

Stockholder Rights Plan

Ultratech does not have a stockholder rights plan currently in effect, but under Delaware law, the Ultratech board could adopt such a plan without stockholder approval.

Veeco does not have a stockholder rights plan currently in effect, but under Delaware law, the Veeco board could adopt such a plan without stockholder approval.

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Ultratech Veeco

Business Combinations

The Ultratech charter does not require a supermajority vote of stockholders for any action of stockholders related to business combinations.

The DGCL prohibits a Delaware corporation from engaging in a "business combination" with an "interested stockholder" (*i.e.*, a stockholder owning 15% or more of the corporation's voting stock) for three years following the time that the "interested stockholder" becomes such, subject to certain exceptions. Ultratech has not opted out of Section 203 in the Ultratech Charter and is therefore governed by the terms of this provision of the DGCL.

The Veeco Charter does not require a supermajority vote of stockholders for any action of stockholders related to business combinations.

The DGCL prohibits a Delaware corporation from engaging in a "business combination" with an "interested stockholder" (*i.e.*, a stockholder owning 15% or more of the corporation's voting stock) for three years following the time that the "interested stockholder" becomes such, subject to certain exceptions. Veeco has not opted out of Section 203 in the Veeco Charter and is therefore governed by the terms of this provision of the DGCL.

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LEGAL MATTERS

The validity of the shares of Veeco common stock offered by this document will be passed upon by Morrison & Foerster LLP, counsel to Veeco.

EXPERTS

Veeco

The consolidated financial statements and schedule of Veeco Instruments Inc. as of December 31, 2016 and 2015, and for each of the years in the two-year period ended December 31, 2016 and management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2016 have been incorporated by reference herein in reliance upon the reports of KPMG LLP, independent registered public accounting firm, incorporated by reference herein, and upon the authority of said firm as experts in accounting and auditing.

The consolidated financial statements of Veeco Instruments Inc. at December 31, 2014 and for the one year ended December 31, 2014 appearing in Veeco Instruments Inc.'s Annual Report on Form 10-K have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their report thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

Ultratech

The consolidated financial statements of Ultratech, Inc. appearing in Ultratech, Inc.'s Annual Report (Form 10-K) for the year ended December 31, 2016 (including schedules appearing therein), and the effectiveness of Ultratech, Inc.'s internal control over financial reporting as of December 31, 2016 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their reports thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such reports given on the authority of such firm as experts in accounting and auditing.

FUTURE ULTRATECH STOCKHOLDER PROPOSALS

Only such business will be conducted at the special meeting as will have been brought by the Ultratech board before the special meeting pursuant to the attached "Ultratech, Inc. Notice of Special Meeting of Stockholders."

Ultratech held its 2016 annual meeting of stockholders (the "2016 Annual Meeting") on July 19, 2016. It is not expected that Ultratech will hold an annual meeting of stockholders for 2017 unless the merger is not completed. If the merger is not completed and Ultratech holds an annual meeting of stockholders for 2017, then proposals of stockholders of Ultratech must be submitted as follows:

Requirements for Stockholder Proposals to Be Considered for Inclusion in Ultratech's Proxy Materials. Stockholders interested in submitting a proper proposal for inclusion in the proxy materials for Ultratech's 2017 annual meeting of stockholders may do so by submitting such proposal in writing to Ultratech's offices located at 3050 Zanker Road, San Jose, California 95134, Attn: Corporate Secretary. To be eligible for inclusion, stockholder proposals must have been received no later than February 13, 2017, and must have otherwise complied with Ultratech's bylaws and the requirements of Rule 14a-8 under the Exchange Act. If Ultratech changes the date of its 2017 annual meeting of stockholders by more than 30 days from the anniversary of the 2016 Annual Meeting, stockholder proposals must be received a reasonable time before Ultratech begins to print and mail its proxy materials for the 2017 annual meeting of stockholders.

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Requirements for Stockholder Business or Nominations to Be Brought Before Ultratech's Annual Meetings. Under the bylaws of Ultratech, Ultratech has an advance notice procedure for stockholders who wish to present certain proposals at one of Ultratech's annual meetings of stockholders, including nominations of persons for election to the Ultratech board and stockholder proposals not otherwise included in Ultratech proxy statement.

Stockholder proposals, including the nomination of a person for election to the Ultratech board, may not be brought before an annual meeting unless, among other things: (1) written notice of such proposal is delivered to the Corporate Secretary of Ultratech at 3050 Zanker Road, San Jose, California 95134 no earlier than March 21, 2017 and no later than April 20, 2017 (provided, however, that if the 2017 annual meeting of stockholders is held earlier than June 19, 2017 or later than September 27, 2017, proposals must be received no earlier than the close of business on the 120th day prior to such annual meeting and no later than the close of business on the later of the 90th day prior to such annual meeting or the 10th day following the day on which public announcement of the date of such meeting is first made by Ultratech and (2) the proposal contains all information specified in the bylaws of Ultratech. A copy of the full text of these bylaw provisions may be obtained by writing to Ultratech's Corporate Secretary at the address above.

Stockholders may also, during the time permitted for submission of a stockholder proposal for inclusion in Ultratech's proxy statement, submit a recommendation (as opposed to a formal nomination) for a candidate for membership on the Ultratech board by submitting in writing the name and background of such candidate, together with certain other information set forth in the bylaws of Ultratech, to the Chair of the Nominating and Corporate Governance Committee, Ultratech, Inc., 3050 Zanker Road, San Jose, California 95134.

Ultratech knows of no other matters that will be presented for consideration at the special meeting.

HOUSEHOLDING OF PROXY STATEMENT/PROSPECTUS

The SEC has adopted rules that permit companies and intermediaries such as brokers to satisfy delivery requirements for proxy statements and annual reports with respect to two or more stockholders sharing the same address by delivering a single proxy statement or annual report, as applicable, addressed to those stockholders. As permitted by the Exchange Act, only one copy of this proxy statement/prospectus is being delivered to stockholders residing at the same address, unless stockholders of Ultratech have notified Ultratech of their desire to receive multiple copies of the proxy statement/prospectus. This process, which is commonly referred to as "householding," potentially provides extra convenience for stockholders and cost savings for companies.

If, at any time, you no longer wish to participate in householding and would prefer to receive a separate proxy statement/prospectus, or if you are receiving multiple copies of this proxy statement/prospectus and wish to receive only one, please contact Ultratech at the address identified below. Ultratech will promptly deliver, upon oral or written request, a separate copy of this proxy statement/prospectus to any shareholder residing at an address to which only one copy was mailed. Requests for additional copies should be directed to: Attention: Corporate Secretary, Ultratech, Inc., 3050 Zanker Road, San Jose, California 95134.

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OTHER MATTERS

As of the date of this proxy statement/prospectus, the Ultratech board knows of no other matters that will be presented for consideration at the special meeting other than as described in this proxy statement/prospectus. If any other matters come before the special meeting or any adjournment or postponement thereof and will be voted upon, the proposed proxy will be deemed to confer authority to the individuals named therein as authorized to vote the shares represented by the proxy as to any matters that may properly come before the meeting. It is intended that the persons named in the enclosed proxy and acting thereunder will vote in accordance with their best judgment on such matters.

WHERE YOU CAN FIND MORE INFORMATION

Veeco and Ultratech each file annual, quarterly and current reports, proxy statements and other information with the SEC under the Exchange Act. You may read and copy any of this information at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1 (800) SEC-0330 for further information on the Public Reference Room. The SEC also maintains an internet website that contains reports, proxy and information statements, and other information regarding issuers, including Veeco and Ultratech, who file electronically with the SEC. The address of that website is www.sec.gov.

Investors may also consult the Veeco and the Ultratech websites for more information about Veeco and Ultratech, respectively. Veeco's website is www.veeco.com. Ultratech's website is www.ultratech.com. Information included on these websites is not incorporated by reference into this proxy statement/prospectus.

Veeco has filed with the SEC a registration statement of which this proxy statement/prospectus forms a part. The registration statement registers the shares of Veeco common stock to be issued to Ultratech stockholders pursuant to the merger. The registration statement, including the attached exhibits, contains additional relevant information about Veeco and Veeco's common stock. The rules and regulations of the SEC allow Veeco and Ultratech to omit certain information included in the registration statement from this proxy statement/prospectus.

In addition, the SEC allows Veeco and Ultratech to disclose important information to you by referring you to other documents filed separately with the SEC. This information is considered to be a part of this proxy statement/prospectus.

This proxy statement/prospectus incorporates by reference the documents listed below that Veeco has previously filed with the SEC (other than information furnished pursuant to Item 2.02 or Item 7.01 of a Current Report on Form 8-K). These documents contain important information about Veeco, its financial condition or other matters.

Annual Report on Form 10-K for the fiscal year ended December 31, 2016.

Veeco's Current Reports on Form 8-K filed with the SEC on January 10, 2017, January 18, 2017, January 30, 2017, February 2, 2017, February 3, 2017, February 16, 2017, February 17, 2017, February 21, 2017, March 7, 2017 and April 19, 2017 (other than the portions of such documents not deemed to be filed).

the description of Veeco's common stock contained in Veeco's registration statement on Form 8-A, filed with the Commission under Section 12 of the Exchange Act on November 18, 1994, including any amendment or report filed for the purpose of updating such description.

the portions of the Definitive Proxy Statement on Schedule 14A filed with the SEC on March 17, 2017 and incorporated by reference into Part III of the Annual Report on Form 10-K for the fiscal year ended December 31, 2016.

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In addition, Veeco incorporates by reference any future filings it makes with the SEC under Section 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this proxy statement/prospectus (other than information furnished pursuant to Item 2.02 or Item 7.01 of any Current Report on Form 8-K, unless expressly stated otherwise therein). Such documents are considered to be a part of this proxy statement/prospectus, effective as of the date such documents are filed.

You can obtain any of these documents from the SEC through the SEC's website at the address described above, or Veeco will provide you with copies of these documents, without charge, upon written or oral request to: Veeco Instruments Inc., Attention: Secretary, Terminal Drive, Plainview, NY 11803, or by telephone at 1-516-677-0200.

This proxy statement/prospectus also incorporates by reference the documents listed below that Ultratech has previously filed with the SEC (other than information furnished pursuant to Item 2.02 or Item 7.01 of a Current Report on Form 8-K). These documents contain important information about Ultratech, its financial condition or other matters.

Annual Report on Form 10-K for the fiscal year ended December 31, 2016.

Ultratech's Current Reports on Form 8-K filed with the SEC on February 3, 2017 and February 21, 2017 (other than the portions of such documents not deemed to be filed).

Amendment to the Annual Report on Form 10-K for the fiscal year ended December 31, 2016, filed with the SEC on April 20, 2017.

In addition, Ultratech incorporates by reference any future filings it makes with the SEC under Section 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this proxy statement/prospectus and prior to the date of the special meeting (other than information furnished pursuant to Item 2.02 or Item 7.01 of any Current Report on Form 8-K, unless expressly stated otherwise therein). Such documents are considered to be a part of this proxy statement/prospectus, effective as of the date such documents are filed.

You can obtain any of these documents from the SEC through the SEC's website at the address described above, or Ultratech will provide you with copies of these documents, without charge, upon written or oral request to:

Ultratech, Inc. 3050 Zanker Road, San Jose, California 95134 Telephone number: (408) 321-8835

In the event of conflicting information in this proxy statement/prospectus in comparison to any document incorporated by reference into this proxy statement/prospectus, or among documents incorporated by reference, the information in the latest filed document controls.

YOU SHOULD RELY ONLY ON THE INFORMATION CONTAINED IN OR INCORPORATED BY REFERENCE INTO THIS PROXY STATEMENT/PROSPECTUS. NO ONE HAS BEEN AUTHORIZED TO PROVIDE YOU WITH INFORMATION THAT IS DIFFERENT FROM THAT CONTAINED IN, OR INCORPORATED BY REFERENCE INTO, THIS PROXY STATEMENT/PROSPECTUS. THIS PROXY STATEMENT/PROSPECTUS IS DATED , 2017. YOU SHOULD NOT ASSUME THAT THE INFORMATION CONTAINED IN THIS PROXY STATEMENT/PROSPECTUS IS ACCURATE AS OF ANY DATE OTHER THAN THAT DATE. YOU SHOULD NOT ASSUME THAT THE INFORMATION INCORPORATED BY REFERENCE INTO THIS PROXY STATEMENT/PROSPECTUS IS ACCURATE AS OF ANY DATE OTHER THAN THE DATE OF SUCH INCORPORATED DOCUMENT. NEITHER OUR MAILING OF THIS PROXY STATEMENT/PROSPECTUS TO ULTRATECH STOCKHOLDERS NOR THE ISSUANCE BY VEECO OF SHARES OF VEECO COMMON STOCK PURSUANT TO THE MERGER WILL CREATE ANY IMPLICATION TO THE CONTRARY.

Execution Version

ANNEX A

AGREEMENT AND PLAN OF MERGER

dated as of

February 2, 2017

among

ULTRATECH, INC.,

VEECO INSTRUMENTS INC.

and

ULYSSES ACQUISITION SUBSIDIARY CORP.

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AGREEMENT AND PLAN OF MERGER

AGREEMENT AND PLAN OF MERGER (this "Agreement") dated as of February 2, 2017 among Ultratech, Inc., a Delaware corporation (the "Company"), Veeco Instruments Inc., a Delaware corporation ("Parent"), and Ulysses Acquisition Subsidiary Corp., a Delaware corporation and a wholly-owned subsidiary of Parent ("Merger Subsidiary").

WITNESSETH:

WHEREAS the parties hereto intend to effect a merger in which Merger Subsidiary will be merged with and into the Company (the "Merger"), in accordance with the applicable provisions of Delaware Law, with the Company surviving the Merger, on the terms and subject to the conditions set forth herein;

WHEREAS, the respective Boards of Directors of the Company and Merger Subsidiary have adopted a resolution approving, and declaring it advisable that the respective stockholders of the Company and Merger Subsidiary approve, this Agreement (including the Merger on the terms and subject to the conditions set forth in this Agreement);

WHEREAS, the Board of Directors of Parent has adopted a resolution approving and declaring advisable this Agreement and the transactions contemplated hereby (including the issuance of the shares of Parent Common Stock in connection with the transactions completed hereby);

WHEREAS, Parent, as the sole stockholder of Merger Subsidiary, has adopted a resolution approving and declaring advisable this Agreement and the transactions contemplated hereby (including the Merger); and

WHEREAS, concurrently with the execution of this Agreement and as a material inducement to the willingness of Parent to enter into this Agreement, certain stockholders of the Company are entering into a support agreement in substantially the form attached hereto as *Exhibit A* (the "Support Agreement").

NOW, THEREFORE, in consideration of the foregoing and the representations, warranties, covenants and agreements contained herein, the parties hereto agree as follows:

ARTICLE 1 DEFINITIONS

Section 1.01. Definitions.

- (a) As used herein, the following terms have the following meanings:
- "1933 Act" means the Securities Act of 1933, and the rules and regulations promulgated thereunder.

"1934 Act" means the Securities Exchange Act of 1934, and the rules and regulations promulgated thereunder.

"Acquisition Proposal" means, other than the transactions contemplated by this Agreement, any offer or proposal of any Third Party relating to (i) any acquisition or purchase, direct or indirect, of assets (including Company Subsidiary Securities) equal to 20% or more of the consolidated assets of the Company and its Subsidiaries or to which 20% or more of the consolidated revenues or earnings of the Company are attributable or 20% or more of any class of equity or voting securities of the Company or any of its Subsidiaries, (ii) any tender offer or exchange offer that, if consummated, would result in such Third Party beneficially owning 20% or more of any class of equity or voting securities of the Company, or (iii) a merger, consolidation, statutory share exchange, business combination, sale of all or substantially all of the assets, liquidation, dissolution or other similar extraordinary transaction involving the Company or any of its Subsidiaries whose assets, individually or in the aggregate, constitute 20% or more of the consolidated assets of the Company or to which 20% or more of the consolidated revenues or earnings of the Company and its Subsidiaries are attributable.

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"Affiliate" means, with respect to any Person, any other Person directly or indirectly controlling, controlled by, or under common control with such Person. The term "control" means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise, and the terms "controlled" and "controlling" have meanings correlative thereto.

"Applicable Law" means, with respect to any Person, any federal, state or local statute, law (including common law), ordinance, code, rule, regulation, order, injunction, judgment, decree, ruling or other similar requirement enacted, adopted, promulgated or applied by a Governmental Authority that is legally binding upon and applicable to such Person.

"Business" means the business of the Company and its Subsidiaries as currently conducted, including the design, development, manufacturing, reproduction, branding, marketing, advertising, promotion, licensing, sale, offer for sale, importation, distribution and/or provision of any and all Company Products.

"Business Day" means a day, other than Saturday, Sunday or other day on which commercial banks in the states of California or New York are authorized or required by Applicable Law to close.

"Code" means the Internal Revenue Code of 1986, as amended.

"Company Balance Sheet" means the consolidated balance sheet of the Company as of December 31, 2015 and the notes thereto set forth in the Company's Form 10-K filed with the SEC for the fiscal year ended December 31, 2015.

"Company Balance Sheet Date" means December 31, 2015.

"Company Disclosure Letter" means the disclosure letter dated the date hereof regarding this Agreement that has been provided by the Company to Parent and Merger Subsidiary.

"Company Material Adverse Effect" means any fact, change, circumstance, event, occurrence, condition, development or combination of the foregoing which has a materially adverse effect on the financial condition, business, assets or results of operations of the Company and its Subsidiaries, taken as a whole, excluding any fact, change, circumstance, event, occurrence, condition, development or combination of the foregoing resulting from (A) changes after the date of this Agreement in the financial, securities, credit or other capital markets or general economic or regulatory, legislative or political conditions, (B) changes after the date of this Agreement generally affecting the industry in which the Company and its Subsidiaries operate or to the industries to which the Company and its Subsidiaries sell their products, solutions and services, including changes in interest and exchange rates, in the United States or any other jurisdiction in which the Company or its Subsidiaries operate, (C) changes after the date of this Agreement as to geopolitical conditions, any outbreak or escalation of hostilities, acts of war (whether or not declared), acts of armed hostility, sabotage, terrorism or national or international calamity, (D) any hurricane, tornado, tsunami, flood, volcanic eruption, earthquake, nuclear incident, pandemic, quarantine restrictions, weather conditions or other natural or man-made disaster or other force majeure event, (E) changes in Applicable Law or GAAP, (F) the failure, in and of itself, of the Company to meet any internal or published projections, forecasts, guidance, estimates or predictions in respect of revenues, earnings or other financial or operating metrics or other matters before, on or after the date hereof, or changes or prospective changes in the market price or trading volume of the securities of the Company or the credit rating of Company (it being understood that the underlying facts giving rise or contributing to such failure or change may be taken into account in determining whether there has been a Company Material Adverse Effect if such facts are not otherwise excluded under this definition), (G) the negotiation, announcement, pendency or consummation of the transactions contemplated by this Agreement, including the initiation of litigation by any Person with respect to this Agreement or the transactions contemplated hereby, and including any negative impact on relationships with customers due to the announcement, pendency or

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consummation of the transactions contemplated by this Agreement or the identity of Parent as the acquirer of the Company, and (H) any action taken or not taken by the Company or any of its Subsidiaries at the written request, or with the written consent, of Parent or Merger Subsidiary; except, in the case of clauses (A) through (E), to the extent having a disproportionate effect on the Company and its Subsidiaries, taken as a whole, relative to other participants in the industry in which the Company and its Subsidiaries operate (in which case the incremental materially disproportionate impact or impacts may be taken into account in determining whether there has been a Company Material Adverse Effect).

"Company Owned IP" means any and all Intellectual Property that is owned by the Company or any of its Subsidiaries (including any and all Company Registered IP).

"Company Products" means all products or services produced, marketed, licensed, sold, distributed, performed or otherwise made available to third parties by or on behalf of the Company or any Subsidiary.

"Company Registered IP" means all of the Registered IP owned by the Company or any of its Subsidiaries, excluding any Registered IP that is abandoned, refused, cancelled, expired or withdrawn.

"Company Stock" means the shares of common stock, par value \$0.001 per share, of the Company.

"Company Stock Plans" means each plan or non-plan award agreement pursuant to which stock options or other equity awards have been granted to employees or other service providers of the Company or its Subsidiaries.

"Confidentiality Agreement" means the letter agreement between Parent and the Company dated October 9, 2016.

"Contract" means any legally binding contract, agreement, note, bond, indenture, lease, license, or other written agreement that is in force and effect as of the date of this Agreement.

"Delaware Law" means the DGCL.

"DGCL" means the General Corporation Law of the State of Delaware.

"Environmental Laws" means any Applicable Laws relating to the protection of the environment or, solely as it relates to exposure to hazardous or toxic substances, human health.

"Environmental Permits" means all Permits required by Environmental Laws for the operation of the business of the Company or any of its Subsidiaries as currently conducted.

"**Equity Award Merger Consideration**" means the sum of (a) the Cash Consideration, plus (b) the product of (i) the Stock Consideration multiplied by (ii) the Parent Measurement Price.

"Equity Conversion Ratio" means the quotient obtained by dividing: (i) the sum of (a) the Stock Consideration multiplied by the Parent Measurement Price, plus (b) the Cash Consideration; by (ii) the Parent Measurement Price.

"ERISA" means the Employee Retirement Income Security Act of 1974.

"ERISA Affiliate" of any entity means any other entity that, together with such entity, would be treated as a "single employer" within the meaning of Section 414(b), (c), (m) or (o) of the Code.

"GAAP" means generally accepted accounting principles in the United States.

"Governmental Authority" means any transnational, domestic or foreign, federal, state or local governmental, regulatory or administrative authority, department, court, agency or official, including any political subdivision thereof.

"HSR Act" means the Hart-Scott-Rodino Antitrust Improvements Act of 1976.

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"Hazardous Substance" means any toxic, radioactive or otherwise hazardous substance, waste or material that in relevant form and concentration is regulated under any Environmental Law.

"Intellectual Property" means any or all of the following and all rights in: (i) all United States, international and foreign patents and applications therefor and all reissues, divisions, divisionals, renewals, extensions, provisionals, continuations and continuations-in-part thereof; (ii) all inventions (whether or not patentable), trade secrets, know how, databases, business methods, technical data and customer lists and other proprietary information; (iii) all copyrights and copyright registrations, including in software, throughout the world, mask works and mask work registrations; (iv) all industrial designs and any registrations and applications therefor throughout the world; and (v) all trade names, logos, common law trademarks and service marks, domain names, URLs, and trademark and service mark registrations and applications therefor throughout the world.

"International Plan" means any Company Employee Plan that is maintained by the Company or any of its Subsidiaries primarily for the benefit of current or former employees of the Company or any of its Subsidiaries residing outside of the United States.

"knowledge" of any Person that is not an individual means the actual knowledge of such Person's executive officers; provided, however, that "knowledge" of the Company means the actual knowledge of the individuals listed in Section 1.01(a) of the Company Disclosure Letter after reasonable inquiry of such individual's direct reports.

"Lien" means, with respect to any property or asset, any mortgage, lien, pledge, charge, security interest, encumbrance or other adverse claim of any kind in respect of such property or asset, other than a Permitted Lien.

"Nasdaq" means the Nasdaq Global Select Market, but if the Nasdaq Global Select Market is not then the principal U.S. trading market for the Company Stock or Parent Common Stock, as applicable, then "Nasdaq" shall be deemed to mean the principal U.S. national securities exchange registered under the 1934 Act on which the Company Stock or Parent Common Stock, as applicable, is then traded.

"OFAC" means the U.S. Department of Treasury, Office of Foreign Assets Control.

"Open Source Materials" means any software or other material that is distributed as "open source software" or under similar licensing or distribution terms (including but not limited to the GNU General Public License (GPL), GNU Lesser General Public License (LGPL), Mozilla Public License (MPL), BSD licenses, the Artistic License, the Netscape Public License, the Sun Community Source License (SCSL), the Sun Industry Standards License (SISL), the Apache License and any license identified as an open source license by the Open Source Initiative (http://www.opensource.org)).

"Orders" means any judgment, order or decree of a Governmental Authority of competent jurisdiction.

"Parent Common Stock" means the common stock of Parent, par value \$0.01 per share.

"Parent Disclosure Letter" means the disclosure letter dated the date hereof regarding this Agreement that has been provided by Parent and Merger Subsidiary to the Company.

"Parent Material Adverse Effect" (i) any fact, change, circumstance, event, occurrence, condition, development or combination of the foregoing which has a materially adverse effect on the financial condition, business, assets or results of operations of Parent and its Subsidiaries, taken as a whole, excluding any fact, change, circumstance, event, occurrence, condition, development or combination of the foregoing resulting from (A) changes after the date of this Agreement in the financial, securities, credit or other capital markets or general economic or regulatory, legislative or political conditions, (B) changes after the date of this Agreement generally affecting the industry in which Parent and its

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Subsidiaries operate or to the industries to which Parent and its Subsidiaries sell their products, solutions and services, including changes in interest and exchange rates, in the United States or any other jurisdiction in which the Company or its Subsidiaries operate, (C) changes after the date of this Agreement as to geopolitical conditions, any outbreak or escalation of hostilities, acts of war (whether or not declared), acts of armed hostility, sabotage, terrorism or national or international calamity, (D) any hurricane, tornado, tsunami, flood, volcanic eruption, earthquake, nuclear incident, pandemic, quarantine restrictions, weather conditions or other natural or man-made disaster or other force majeure event, (E) changes in Applicable Law or GAAP, (F) the failure of Parent or its Subsidiaries to meet any internal or published projections, forecasts, guidance, estimates or predictions in respect of revenues, earnings or other financial or operating metrics or other matters before, on or after the date hereof, or changes or prospective changes in the market price or trading volume of the securities of Parent or the credit rating of Parent (it being understood that the underlying facts giving rise or contributing to such failure or change may be taken into account in determining whether there has been a Company Material Adverse Effect if such facts are not otherwise excluded under this definition), (G) the negotiation, announcement, pendency or consummation of the transactions contemplated by this Agreement, including the initiation of litigation by any Person with respect to this Agreement or the transactions contemplated hereby, and including any negative impact on relationships with customers due to the announcement, pendency or consummation of the transactions contemplated by this Agreement or the identity of the Company as the target of Parent, and (H) any action taken by the Parent or any of its Subsidiaries at the written request, or with the written consent, of the Company; except, in the case of clauses (A) through (E), to the extent having a disproportionate effect on Parent and its Subsidiaries, taken as a whole, relative to other participants in the industry in which Parent and its Subsidiaries operate (in which case the incremental materially disproportionate impact or impacts may be taken into account in determining whether there has been a Company Material Adverse Effect) or (ii) any change, effect, event or occurrence that prevents or materially impedes, materially interferes with, materially hinders or materially delays or would reasonably be expected to prevent or materially impede, materially interfere with, materially hinder or materially delay (A) the consummation by Parent or Merger Subsidiary of the Merger or any of the other transactions contemplated by this Agreement or (B) the material compliance by Parent or Merger Subsidiary with its obligations under this Agreement.

"Parent Measurement Price" means the volume weighted average trading price of Parent Common Stock on the Parent Stock Exchange for the five (5) consecutive trading days ending on the trading day immediately preceding the Closing Date.

"Parent Owned IP" means any and all Intellectual Property that is owned by Parent or any of its Subsidiaries (including any and all Parent Registered IP).

"Parent Registered IP" means all of the Registered IP owned by Parent or any of its Subsidiaries.

"Parent Stock Exchange" means the Nasdaq Global Select Market, but if the Nasdaq Global Select Market is not then the principal U.S. trading market for Parent Common Stock, then "Parent Stock Exchange" shall be deemed to mean the principal U.S. national securities exchange registered under the 1934 Act on which Parent Common Stock is then traded.

"Permits" means all approvals, authorizations, registrations, licenses, exemptions, permits and consents of Governmental Authorities.

"Permitted Liens" means (i) Liens for Taxes that are not due and payable, or that are being contested in good faith by appropriate proceedings, in each case for which adequate reserves have been established on the Company financial statements in accordance with GAAP, (ii) mechanics', carriers', workmen's, warehousemen's, repairmen's or other like Liens arising or incurred in the ordinary course of business consistent with past practice (iii) Liens incurred in the ordinary course of business consistent with past practice in connection with workers' compensation, unemployment insurance and

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other types of social security or to secure the performance of tenders, statutory obligations, surety and appeal bonds, bids, leases, government Contracts, performance and return of money bonds and similar obligations, (iv) zoning, building and other similar codes and regulations, (v) Liens the existence of which are disclosed in the notes to the consolidated financial statements of the Company included in the Company SEC Documents, (vi) any conditions that would be disclosed by a current, accurate survey or physical inspection, (vii) Liens, easements, rights-of-way, covenants and other similar restrictions that have been placed by any developer, landlord or other Person on property over which the Company or any of its Subsidiaries has easement rights or on any property leased by the Company or any of its Subsidiaries and subordination or similar agreements relating thereto, (viii) non-exclusive licenses granted under Intellectual Property and (ix) Liens (other than Liens securing indebtedness for borrowed money), defects or irregularities in title, easements, rights-of-way, covenants, restrictions and other similar matters that would not reasonably be expected to, individually or in the aggregate, materially impair the continued use and operation of the assets to which they relate in the business of the Company and its Subsidiaries, on a consolidated basis, as currently conducted.

"Person" means an individual, corporation, partnership, limited liability company, association, trust or other entity or organization, including a government or political subdivision or an agency or instrumentality thereof.

"Registered IP" means all registered Intellectual Property and applications therefor.

"Release" means any release, spill, emission, leaking, dumping, injection, pouring, disposal or discharge into or through the environment.

"Representative" means, with respect to any Person, such Person's directors, officers, employees, Affiliates, investment bankers, attorneys, accountants and other advisors or representatives.

"Sarbanes-Oxley Act" means the Sarbanes-Oxley Act of 2002.

"SEC" means the United States Securities and Exchange Commission.

"Specified Company SEC Documents" means (i) the Company's Annual Reports on Form 10-K, (ii) the Company's Quarterly Reports on Form 10-Q, (iii) the Company's Proxy Statements on Form DEF-14A and (iv) the Company's Current Reports on Form 8-K, in each case filed since January 1, 2015 and before the date of this Agreement, in each case together with any exhibits and schedules thereto and other information incorporated by reference therein.

"Specified Parent SEC Documents" means (i) Parent's Annual Reports on Form 10-K, (ii) Parent's Quarterly Reports on Form 10-Q, (iii) Parent's Proxy Statements on Form DEF-14A and (iv) Parent's Current Reports on Form 8-K, in each case filed since January 1, 2015 and before the date of this Agreement, in each case together with any exhibits and schedules thereto and other information incorporated by reference therein.

"Subsidiary" means, with respect to any Person, any entity of which securities or other ownership interests having ordinary voting power to elect a majority of the board of directors or other Persons performing similar functions are at any time directly or indirectly owned by such Person.

"Tax" means any tax or other governmental assessment or charge of a similar character payable to a Governmental Authority (including tax withholding or collection on amounts paid or received any Person), together with any additions to tax, and any interest or penalty in respect of the foregoing.

"Tax Return" means any Tax return, statement, report, election, declaration, disclosure, schedule or form (including any estimated Tax or information return or report) filed or required to be filed with any Taxing Authority.

"Taxing Authority" means any Governmental Authority (domestic or foreign) responsible for the administration, determination or collection of any Tax.

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"Third Party" means any Person, including as defined in Section 13(d) of the 1934 Act, other than Parent or any of its Affiliates.

"US Plan" means any Company Employee Plan that is not an International Plan.

(b) Each of the following terms is defined in the Section set forth opposite such term:

Term	Section
401(k) Plans	Section 7.05(e)
Acceptable Confidentiality Agreement	Section 6.03(h)(i)
Adverse Recommendation Change	Section 6.03(a)
Agreement	Preamble
Anti-Corruption Laws	Section 4.23(a)
Antitrust Laws	Section 8.01(b)
Appraisal Shares	Section 2.04
Available Cash	Section 4.26
Cash Consideration	Section 2.02(a)
Certificates	Section 2.03(a)
Claim	Section 7.04(b)
Closing	Section 2.01(b)
Closing Date	Section 2.01(b)
Company	Preamble
Company Acquisition Agreement	Section 6.03(f)
Company Board Recommendation	Section 4.02(b)
Company Material Contract	Section 4.21(b)
Company Employee Plan	Section 4.17(a)
Company Employees	Section 7.05(a)
Company Preferred Stock	Section 4.05(a)
Company Representatives	Section 6.03(a)
Company RSU	Section 2.05(b)
Company SEC Documents	Section 4.07(a)
Company Securities	Section 4.05(b)
Company Stock Option	Section 2.05(a)
Company Stockholder Approval	Section 4.02(a)
Company Stockholder Meeting	Section 6.02
Company Subsidiary Securities	Section 4.06(c)
Company Termination Fee	Section 11.04(b)(i)
Company Unvested RSU	Section 2.05(c)
Company Vested RSU	Section 2.05(b)
Company Vested RSU Merger Consideration	Section 2.05(c)
Converted RSUs	Section 2.05(c)
Detriment	Section 8.01(c)
Divestiture Action	Section 8.01(c)
Effective Time	Section 2.01(c)
End Date	Section 10.01(b)(i)
Exchange Agent	Section 2.03(a)
Export Approvals	Section 4.23(c)
Foreign Antitrust Laws	Section 4.03
Form S-4	Section 4.09(a)
Indemnified Person	Section 7.04(a)
Internal Controls	Section 4.07(e)
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Term	Section
Lease	Section 4.14(b)
Major Customer	Section 4.22
Major Supplier	Section 4.22
Maximum Tail Premium	Section 7.04(c)
Merger	Recitals
Merger Consideration	Section 2.02(a)
Merger Subsidiary	Preamble
Multiemployer Plan	Section 4.17(c)
Parent	Preamble
Parent Employee Plan	Section 5.16(a)
Parent Preferred Stock	Section 5.05(a)
Parent RSUs	Section 5.05(a)
Parent SEC Documents	Section 5.07(a)
Parent Securities	Section 5.05(b)
Parent Stock Plans	Section 5.05(a)
Parent Stock Options	Section 5.05(a)
Payment Fund	Section 2.03(b)
Proxy Statement/Prospectus	Section 4.09(a)
Reference Time	Section 4.05(a)
Restraints	Section 9.01(b)
Stock Consideration	Section 2.02(a)
Superior Proposal	Section 6.03(h)(ii)
Support Agreement	Recitals
Surviving Corporation	Section 2.01(a)
Uncertificated Shares	Section 2.03(a)

Section 1.02. Other Definitional and Interpretative Provisions. The words "hereof", "herein" and "hereunder" and words of like import used in this Agreement shall refer to this Agreement as a whole and not to any particular provision of this Agreement. The table of contents, and the article and section and other titles, headings and captions herein, are included for convenience of reference only and shall be ignored in the construction or interpretation hereof. References to Articles, Sections, Annexes, Exhibits and Schedules are to Articles, Sections, Annexes, Exhibits and Schedules of this Agreement unless otherwise specified. All Annexes, Exhibits and Schedules annexed hereto or referred to herein are hereby incorporated in and made a part of this Agreement as if set forth in full herein. Any terms used in any Annex, Exhibit or Schedule or in any certificate or other document made or delivered pursuant hereto but not otherwise defined therein shall have the meaning as defined in this Agreement. The definition of terms herein shall apply equally to the singular and the plural. Whenever the context may require, any pronoun shall include the corresponding masculine, feminine and neuter forms. The word "will" shall be construed to have the same meaning as the word "shall". Whenever the words "include", "includes" or "including" are used in this Agreement, they shall be deemed to be followed by the words "without limitation", whether or not they are in fact followed by those words or words of like import. The word "extent" in the phrase "to the extent" shall mean the degree to which a subject or thing extends, and such shall not mean simply "if". The word "or" shall not be exclusive. "Writing", "written" and comparable terms refer to printing, typing and other means of reproducing words (including electronic media) in a visible form. Unless otherwise specified, references to any statute shall be deemed to refer to such statute as amended from time to time and to any rules or regulations promulgated thereunder. References to any agreement or Contract are to that agreement or Contract as amended, modified or supplemented from time to time in accordance with the terms hereof and thereof. References to any Person include the successors and permitted assigns of that Person. This Agreement shall be construed without regard to any presumption or rule requiring

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construction or interpretation against the party drafting or causing any instrument to be drafted. The phrase "date hereof" or "date of this Agreement" shall be deemed to refer to the date set forth in the preamble of this Agreement. References from or through any date mean, unless otherwise specified, from and including or through and including, respectively. The measure of a period of one month or year for purposes of this Agreement will be the date of the following month or year corresponding to the starting date; and, if no corresponding date exists, then the end date of such period being measured will be the next actual date of the following month or year (for example, one month following February 18 is March 18 and one month following March 31 is May 1). Except as otherwise specifically indicated, for purposes of measuring the beginning and ending of time periods in this Agreement (including for purposes of "Business Day" and for hours in a day or Business Day), the time at which a thing, occurrence or event shall begin or end shall be deemed to occur in the time zone in which San Jose, California is located. References to "law", "laws" or to a particular statute or law shall be deemed also to include any Applicable Law. Any references in this Agreement to "dollars" or "\$" shall be to U.S. dollars.

ARTICLE 2 THE MERGER

Section 2.01. The Merger.

(a) On the terms and subject to the satisfaction or waiver of the conditions set forth in this Agreement, and in accordance with Delaware Law, Merger Subsidia