

MTS SYSTEMS CORP
Form 10-K
December 02, 2009
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UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

(Mark One)

**x ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

For the fiscal year ended October 3, 2009

OR

**o TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

For the Transition Period from _____ to _____

Commission File No. 0-2382

MTS SYSTEMS CORPORATION

(Exact Name of Registrant as Specified in its Charter)

Minnesota

(State or other jurisdiction of
incorporation or organization)

41-0908057

(I.R.S. Employer
Identification No.)

14000 Technology Drive

Eden Prairie, MN

(Address of Principal Executive Offices)

55344

(Zip Code)

Registrant's telephone number, including area code: (952) 937-4000

Securities registered pursuant to Section 12(b) of the Act:

Title of each class
Common Stock, \$.25 par value per share

Name of each exchange on which registered
The NASDAQ Stock Market LLC

(NASDAQ Global Select Market)

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined by Rule 405 of the Securities Act.
Yes ☐ No ☒

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.
Yes ☐ No ☒

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (Section 229.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ☐ No ☒

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. ☐

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

Large accelerated filer ☐ Accelerated filer ☒ Non-accelerated filer ☐ Smaller reporting company ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).
Yes ☐ No ☒

State the aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter: \$381,398,349.

As of November 27, 2009, the Registrant had outstanding 16,593,623 shares of Common Stock.

DOCUMENTS INCORPORATED BY REFERENCE: Portions of the Proxy Statement for the Registrant's Annual Meeting of Shareholders to be held February 10, 2010 are incorporated by reference into Part III of this Form 10-K, to the extent described in such Part.

MTS Systems Corporation
Annual Report on Form 10-K

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PART 1

FORWARD LOOKING STATEMENTS

Statements contained in this Annual Report on Form 10-K that are not statements of historical fact should be considered forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 (the "Act"). In addition, certain statements in our future filings with the Securities and Exchange Commission ("SEC"), in press releases, and in oral and written statements made by us or with our approval that are not statements of historical fact constitute forward-looking statements within the meaning of the Act. Examples of forward-looking statements include, but are not limited to: (i) projections of revenue, income or loss, earnings or loss per share, the payment or nonpayment of dividends, capital structure and other statements concerning future financial performance; (ii) statements of our plans and objectives by our management or Board of Directors, including those relating to products or services; (iii) statements of assumptions underlying such statements; (iv) statements regarding business relationships with vendors, customers or collaborators; and (v) statements regarding products, their characteristics, performance, sales potential or effect in the hands of customers. Words such as "believes," "anticipates," "expects," "intends," "targeted," "should," "potential," "goals," "strategy," and similar expressions are intended to identify forward-looking statements, but are not the exclusive means of identifying such statements.

Forward-looking statements involve risks and uncertainties that may cause actual results to differ materially from those in such statements. Factors that could cause actual results to differ from those discussed in the forward-looking statements include, but are not limited to, those described in Item 1A, Risk Factors, below. The performance of our business and our securities may be adversely affected by these factors and by other factors common to other businesses and investments, or to the general economy. Forward-looking statements are qualified by some or all of these risk factors. Therefore, you should consider these risk factors with caution and form your own critical and independent conclusions about the likely effect of these risk factors on our future performance. Forward-looking statements speak only as of the date on which statements are made, and we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made to reflect the occurrence of unanticipated events or circumstances. Readers should carefully review the disclosures and the risk factors described in this and other documents we file from time to time with the SEC, including our reports on Forms 10-Q and 8-K.

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Item 1. Business

MTS Systems Corporation (the Company or MTS) is a leading global supplier of test systems and industrial position sensors. The Company's operations are organized and managed in two business segments, the Test segment and the Sensors segment, based upon global similarities in markets, products, operations and distribution. The Test and Sensors segments represent approximately 80% and 20% of Company revenue, respectively. Company was incorporated under Minnesota law in 1967.

On September 28, 2008, Company acquired substantially all of the assets of SANS Group (SANS). SANS manufactures material testing systems and offers a variety of test systems. The results of operations for SANS have been included in the Company's results of operations since the date of the acquisition, and are reported in the Company's Test segment. The term organic as used throughout this Annual Report on Form 10-K means without the SANS acquisition.

Products and Markets by Business Segment

Test Segment: The Test segment provides testing solutions including hardware, software and aftermarket support. Products are used by customers in their development of new products and in certain quality control applications to characterize the product's mechanical properties. The Company's products simulate forces and motions that these customers expect their products to encounter in use. Mechanical testing in a lab setting is an accepted method to accelerate product development compared to limited prototype release, proving ground testing and virtual testing as it provides more controlled simulation and accurate measurement. The desirability of mechanical simulation increases in proportion to the cost of a product, the range and complexity of the physical environment in which the product will be used, expected warranty or recall risk and expense, governmental regulation and potential legal liability. Because a significant portion of all of the products in the Test segment are considered to be capital expenditures by customers, the Company believes the timing of purchases may occasionally be delayed due to cyclical customer capital spending constraints or product development cycles.

A typical test system includes a load frame to hold the prototype specimen, a hydraulic pump or electro-mechanical power source, piston actuators to create the force or motion, and a computer controller with specialized software to coordinate the actuator movement and record and manipulate results. Lower force and less dynamic testing can usually be accomplished with electro-mechanical power sources, which are generally less expensive than hydraulic systems. Higher force and more dynamic testing typically require hydraulically powered systems, which are usually more expensive. In addition to these basic components, the Test segment sells a variety of accessories and spare parts, as well as services, including installation, calibration, maintenance, training and consulting.

The Test segment has a diverse set of customers by industry and global geography. Generally, North America, Europe and Asia each accounts for approximately one-third of revenue, as measured by customer location.

Products and customers are grouped by the Company into the following three global markets:

Infrastructure: This market is the most diverse of the Test segment markets, with customer testing uses ranging from the physical characterization of basic materials, such as ceramics, composites and steel, to high-force and high frequency applications for seismic event or blast simulation, drill bit testing for the petroleum industry and alternative wind energy. Bio-medical applications

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include systems to test wear and performance of implants, prostheses, and other medical and dental materials and devices. This is the largest Test segment market, representing approximately 45% of Test segment revenue.

Ground Vehicles: This market consists of automobile, truck, motorcycle, motorsports vehicles, construction equipment, agricultural equipment, rail, and off-road vehicle manufacturers and their suppliers. Test segment system and service products are utilized in customer testing of vehicles, subsystems and components. System examples include road and track simulators, tire performance and transmission test systems. This global market represents approximately 40% of segment revenue.

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Aerospace: This market consists of manufacturers of commercial, military, and private aircraft and their suppliers. These customers use the Company's products, systems, and software to perform static and fatigue testing of aircraft and space vehicles as well as sub-systems, components and materials. This market represents approximately 15% of Test segment revenue.

Sensors Segment: The Sensors segment products are used by industrial machinery and mobile equipment manufacturers to automate the operation of their products for improved end-user productivity and safety. Examples of customer industries include manufacturers of plastic injection molding machines, steel mills, fluid power, oil and gas, medical, wood product processing equipment, mobile equipment, and alternative energy. Sensors segment products are also used to measure fluid displacement, such as liquid levels for customers in the process industries.

The Sensors segment manufactures products exclusively utilizing magnetostriction technology. MTS has developed a unique implementation of the technology, known as Temposonics ®. This technology offers high speed and precise non-contact position sensing. It is ideal for use in harsh operating environments.

Sensors segment customers are also diverse by industry and geography. Regionally, North America, Europe and Asia represent approximately 30%, 50% and 20% of revenue, respectively, based upon customer location.

Financial and geographical information about the Company's segments is included in Item 7 of this Annual Report on Form 10-K and Note 5 of the Notes to Consolidated Financial Statements under Item 8 of this Annual Report on Form 10-K.

Sales and Service

Test Segment: Test segment products are sold worldwide through a direct field sales and service force, independent representatives, and to a much lesser extent, the internet and catalogs for standard products and accessories. Direct field sales and service personnel are compensated through salary and order incentive programs. Independent representatives are compensated through commissions based upon orders.

In addition to field sales and service personnel throughout the United States, the Test segment has sales and service subsidiaries in Toronto, Canada; Berlin, Germany; Paris, France; Gloucester, United Kingdom; Turin, Italy; Gothenburg, Sweden; Tokyo and Nagoya, Japan; Seoul, Korea; Shanghai, Shenzhen and Hong Kong, China.

In fiscal 2009, product orders in the Test segment ranged in value from a few hundred dollars to \$7 million on an equivalent United States dollar basis. The average order size was approximately \$100,000. The Test segment also markets services to customers on a per-call and contract basis, accounting for virtually all of the Company's Service Revenue in the Consolidated Statements of Income. Service orders in fiscal 2009 ranged from \$100 to over \$600,000 on a United States dollar-equivalent basis.

The timing and volume of large orders valued at \$5 million or greater on a United States dollar-equivalent basis may produce volatility in orders, backlog, and quarterly operating results. Most customer orders are based on fixed-price quotations and typically have an average sales cycle of three to nine months due to the technical nature of the test systems and customer capital expenditure processes. The sales cycle for larger, more complex test systems may be up to three years.

Sensors Segment: Sensors segment products are sold worldwide through a direct sales force as well as through independent distributors. The direct sales force is compensated through salary and commissions based upon revenue. The independent distributors pay the Company a wholesale price and re-sell the product to their customers. Sensors segment products are sold at unit prices ranging from \$25 to \$10,000, with an

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average sales price of approximately \$500 on a United States dollar-equivalent basis. While the average sales cycle for the Sensors segment is approximately one to four weeks for existing customers purchasing standard products, the sales cycle for a new account can range from three months to two years.

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Manufacturing and Engineering

Test Segment: Test systems are largely built to order and primarily engineered and assembled at the Company's headquarters in Eden Prairie, Minnesota. The Company also operates manufacturing facilities in Shenzhen and Shanghai, China, which manufactures test systems for the recently acquired SANS business. Some smaller system assembly is performed at Company locations in Berlin, Germany; Seoul, South Korea; and Shanghai, China. Installation of systems, training, service and consulting services are primarily delivered by the Test segment at the customer site. The production cycle for a typical Test segment system ranges from 1 to 12 months, depending on the complexity of the system and the availability of components. The production cycle for larger, more complex systems may be up to three years.

Sensors Segment: Sensors are primarily built to order, engineered and assembled regionally at facilities located in Cary, North Carolina; Ludenscheid, Germany; and Tokyo, Japan. Production cycles generally vary from several days to several months, depending on the degree of product customization, the size of the order and manufacturing capacity.

Sources and Availability of Raw Materials and Components

A significant portion of test systems and sensors products consist of materials and component parts purchased from independent vendors. The Company is dependent, in certain situations, on a limited number of vendors to provide raw material, mechanical and electronic components, and software. However, the Company has not experienced significant issues in procuring any essential materials, parts, or components needed in its engineering or production processes.

As the Test segment generally sells products and services based on fixed-price contracts, fluctuations in the cost of materials and components between the date of the order and the delivery date may impact the expected profitability of any project. The material and component cost variability is considered in the estimation and customer negotiation process. The Company believes that fluctuations in the cost of raw materials and components have not had a significant impact on operating results.

Patents and Trademarks

MTS specializes in the control and measurement of forces and motion. Technologies include application software for test parameter control and results analysis, precise hydraulic and electric actuation in the Test segment, and magnetostriction technology in the Sensors segment.

The Company relies on a combination of patents, copyrights, trademarks and proprietary trade secrets to protect its proprietary technology, some of which are considered material to the Test and Sensors segments. The Company has obtained numerous patents and trademarks worldwide, and actively files and renews patents and trademarks on a global basis to establish and protect its proprietary technology. The Company has also entered into exclusive and non-exclusive license and confidentiality agreements relating to its own and third-party technologies. The Company aggressively protects its processes, products, and strategies as proprietary trade secrets. The Company's efforts to protect intellectual property and avoid disputes over proprietary rights include ongoing review of third-party patents and patent applications.

Seasonality

There is no significant seasonality to Test or Sensors segment revenue.

Working Capital

Neither the Test nor the Sensors segment have significant finished product inventory, but maintain inventories of materials and components to facilitate on time product delivery. The Test segment may have varying levels of work-in-process projects that are classified as inventory or unbilled receivables, depending upon the production cycle, timing of orders, project revenue recognition and shipments to customers.

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In the Test segment, payments are often received from customers upon order or at milestones during the fulfillment of the order, depending upon the size and customization of the system. These are recorded as Advance Payments from Customers on the Company's Consolidated Balance Sheets and reduced as revenue is recognized. Conversely, if revenue is recognized on a project prior to customer billing, an Unbilled Accounts Receivable is recorded on the Company's Consolidated Balance Sheets until the customer is billed. Upon billing, it is recorded as Accounts Receivable. Changes in the average size, payment terms and revenue recognition for orders in the Test segment may have a significant impact on investment in Accounts Receivable, Unbilled Accounts Receivable, Advance Payments from Customers and Inventory. It has not been the Company's practice to provide rights of return for its products. Payment terms vary and are subject to negotiation.

Customers

The Company does not have a significant concentration of sales with any individual customer. Therefore, the loss of any one customer would not have a material impact on the Company.

Order Backlog

Most of the Company's products are built to order. The Company's backlog of orders, defined as firm orders from customers that remain unfulfilled, totaled approximately \$168 million, \$235 million, and \$205 million at October 3, 2009, September 27, 2008 and September 29, 2007, respectively. The majority of this backlog is related to the Test segment. Based on anticipated production schedules, the Company estimates that approximately \$160 million of the backlog at October 3, 2009 will be converted to revenue during fiscal 2009. Delays may occur in the conversion of backlog into revenue as a result of export licensing compliance, technical difficulties, specification changes, manufacturing capacity, supplier issues, or access to the customer site to install the system. While the backlog is subject to order cancellations, the Company has not historically experienced a significant number of order cancellations.

Government Contracts

No material portion of the Company's business is subject to re-negotiation of profits or termination of contracts or subcontracts at the election of any government.

Competition

Test Segment: For relatively simple and inexpensive mechanical testing applications, customers may internally satisfy their needs by building their own test systems or use any of a large number of competitors who compete on price and service. For larger and more complex mechanical test systems, the Test segment competes directly with several other companies throughout the world based upon application knowledge, engineering capabilities, technical features, price, quality and service.

Sensors Segment: The Sensors segment primarily competes on factors that include technical performance, price and service in new applications or in situations in which other position sensing technologies have been used. Competitors of the Sensors segment are typically either larger companies that carry multiple sensor product lines or smaller, privately held companies throughout the world.

Research and Development

The Company invests in significant product, system, and software application development. The Company also occasionally contracts with its customers to advance the state of technology and increase product functionality. Costs associated with R&D were expensed as incurred, totaling \$16.3 million, \$16.2 million and \$19.3 million for the fiscal years ended October 3, 2009, September 27, 2008 and September 29, 2007, respectively. During the fiscal years ended October 3, 2009 and September 27, 2008, the Company allocated certain of its resources towards capitalized software development activities. Total software development costs capitalized during the fiscal years ended October 3, 2009 and September 27, 2008 were \$3.9 million and \$4.2 million, respectively.

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Environmental Matters

The Company believes its operations are in compliance with all applicable environmental regulations within the jurisdictions in which it operates.

Executive Officers

Executive Officers serve at the discretion of and are elected by the Company's Board of Directors. Business experience of the Executive Officers over the last five years is as follows:

Officer	Business Experience	Age	Officer Since
Laura B. Hamilton, Chair and Chief Executive Officer	Chair of the Board since September 2008, and Chief Executive Officer since January 2008. President and Chief Operating Officer from June 2007 to January 2008. Senior Vice President of Test from May 2003 to June 2007.	48	2000
Joachim Hellwig, Vice President	Vice President of the Sensors business since January 2003.	60	2003
Susan E. Knight, Vice President and Chief Financial Officer	Vice President and Chief Financial Officer since October 2001.	55	2001
Alfred Richter, Senior Vice President	Senior Vice President of the Test business since April 2009. Prior thereto, various management and executive positions with Grupo Antolin from 1993 to 2009.	40	2009
Kathleen M. Staby, Vice President Employees	Vice President of Human Resources and Strategy since January 2006. Vice President of Human Resources from 2000 to 2006.	63	2000

The Company had 2,015 employees as of October 3, 2009, including approximately 1,059 employees located outside the United States.

Available Information

The Company's annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act are available on the Investor Relations pages of the Company's website, www.mts.com, as soon as reasonably practicable after the Company files such material with, or furnishes it to, the Securities and Exchange Commission (SEC). The MTS Systems Corporation Code of Business Conduct, any waivers from and amendments to the Code, and the Company's Corporate Governance Guidelines, Articles of Incorporation and Bylaws, as well as the Charters for the Audit, Compensation, and Governance and Nominating Committees of the Company's Board of Directors are also available free of charge on the Investor Relations pages at www.mts.com. The Company's SEC filings are also available at the SEC online EDGAR database at www.sec.gov.

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Item 1A. Risk Factors

The following summarizes, in no particular order, certain risks which could harm the Company's business, financial condition and operating results. No such list can be comprehensive or predict in detail exactly which of the risks listed below could occur. All statements other than statements of historic fact in each of the Company's public announcements and filings with the SEC are forward-looking statements within the meaning of the U.S. securities laws and should be read in light of these risk factors.

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The Company's business is significantly international in scope, which poses multiple unique risks. Sales outside of the United States, including export sales from U.S. businesses, accounted for approximately two-thirds of the Company's revenue in fiscal 2009. Accordingly, the Company's business is subject to the political, economic and other risks that are inherent in operating in foreign countries. These risks include:

exposure to the risk of currency value fluctuations, where payment for products is denominated in a currency other than U.S. dollars;

variability in the U.S. dollar value of foreign currency-denominated assets, earnings and cash flows;

difficulty of enforcing agreements and collecting receivables through foreign legal systems;

trade protection measures and import or export licensing requirements;

tax rates in certain foreign countries that exceed those in the U.S. and the imposition of withholding requirements on foreign earnings;

higher danger of terrorist activity, war or civil unrest, relative to domestic operations;

imposition of tariffs, exchange controls or other restrictions;

difficulty in staffing and managing global operations;

required compliance with a variety of foreign laws and regulations; and

changes in general economic and political conditions in countries where the Company operates, particularly in emerging markets.

Volatility in the global economy could adversely affect results. Economies in the United States, Europe and Asia have been experiencing extreme disruption recently, including, among other things, volatility in security prices, diminished liquidity and credit availability, rating downgrades of certain investments and declining valuations of others. The current tightening of credit in financial markets adversely affects the ability of our customers and suppliers to obtain financing for significant purchases and operations and could result in a decrease in orders and spending for our products and services. We are unable to predict the likely duration and severity of the current disruption in financial markets and adverse economic conditions and the effects they may have on our business and financial condition.

The Company's business is subject to strong competition. The Company's products are sold in competitive markets throughout the world. Competition is based on application knowledge, product features and design, brand recognition, reliability, technology, breadth of product offerings, price, customer relationships, and after market support. If the Company is not perceived as competitive in overall value measured by these criteria, its customers may choose solutions offered by its competitors or developed internally.

The Company may not achieve its growth plans for the expansion of the business. In addition to market penetration, the Company's long-term success depends on its ability to expand the business through (a) new product development, (b) mergers and acquisitions or (c) geographic expansion.

New product development requires that the Company maintain its ability to enhance and improve existing products, to continue to bring innovative products to market in a timely fashion and to adapt products to the needs and standards of current and potential customers. The Company's products and services may become less competitive or eclipsed by technologies to which the Company does not have access or which render its solutions obsolete.

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Mergers and acquisitions will be accompanied by risks which may include:

difficulties identifying suitable acquisition candidates at acceptable costs;

unavailability of capital to conduct acquisitions;

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failure to achieve the financial and strategic goals for the acquired and combined businesses;

difficulty assimilating the operations and personnel of the acquired businesses;

disruption of ongoing business and distraction of management from the ongoing business;

dilution of existing stockholders and earnings per share;

unanticipated, undisclosed or inaccurately assessed liabilities, legal risks and costs; and

difficulties retaining key vendors, customers or employees of the acquired business.

Acquisitions of businesses having a significant presence outside the U.S. will increase the Company's exposure to the risks of international operations discussed herein.

Geographic expansion will be primarily outside of the United States, and hence will be disproportionately subject to the risks of international operations discussed herein.

The Company may experience difficulties obtaining the services of skilled employees. The Company relies on knowledgeable, experienced and skilled technical personnel, particularly engineers, sales management, and service personnel, to design, assemble, sell and service its products. The Company also requires capable senior executives to lead the business and may be unable to attract, retain and motivate sufficient numbers of such people.

The Company may fail to protect its intellectual property effectively, or may infringe upon the intellectual property of others. The Company relies on trade secret, copyright, trademark and patent laws and contractual protections to protect its proprietary technology and other proprietary rights. The Company's competitors may attempt to copy its products or gain access to its trade secrets. Notwithstanding the precautions taken by the Company to protect its intellectual property rights, it is possible that third parties may illegally copy or otherwise obtain and use its proprietary technology without the Company's consent. Any litigation concerning infringement could result in substantial cost and diversions of the Company's resources, either of which could adversely affect the business. In some cases, there may be no effective legal recourse against duplication of products or services by competitors. Intellectual property rights in foreign jurisdictions may be limited or unavailable. Patents of third parties also have an important bearing on the Company's ability to offer some of its products and services. The Company's competitors may obtain patents related to the types of products and services the Company currently offers or plans to offer. Any infringement by the Company on intellectual property rights of others could result in litigation and adversely affect its ability to continue to provide, or could increase the cost of providing, products and services.

The business could be adversely affected by product liability and commercial litigation. The Company's products may be asserted to cause or contribute to personal injury or property damage to its customers' facilities or their employees. Additionally, the Company is, from time to time, involved in various kinds of commercial disputes with customers, vendors and others. The ensuing claims may arise singularly, in groups of related claims, or in class actions involving multiple claimants. Such claims and litigation are frequently expensive and time-consuming to resolve, may result in substantial liability to the Company, and may be in excess of available sources of insurance or other forms of reimbursement.

The Company may experience difficulty obtaining materials or components for its products. The Company purchases significant components of its products from third party suppliers. A small number of these suppliers compete with the Company on some level. Other materials and components may be provided by a limited number of suppliers or by sole sources and could only be replaced with difficulty or significant added cost.

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Government regulation could impose significant costs and other constraints. The Company's manufacturing operations and past and present ownership and operations of real property are subject to extensive and changing federal, state, local and foreign laws and regulations, including laws and regulations pertaining to environmental, health and safety, as well as the handling or discharge of hazardous materials into the environment. The Company expects to continue to incur costs to comply with these laws, and may incur penalties for any failure to do so. The Company may also be identified as a responsible party and be subject to liability relating to any investigation and clean-up of properties used for industrial purposes or the generation or disposal of hazardous substances. Some of the Company's export sales require approval from the U.S. government. Changes in political relations between the U.S. and foreign countries and/or specific potential customers for which export licenses may be required, may cause a license application to be delayed or denied, or a previously issued license withdrawn, rendering the Company

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unable to complete a sale, or vulnerable to competitors who do not operate under such restrictions.

The sales, delivery and acceptance cycle for many of the Company's products is irregular and may not develop as anticipated. Many of the Company's products have a long sales, delivery and acceptance cycle. Events may cause recognition of orders, backlog and results of operations to be aberrant over shorter periods of time. These factors include the timing of individual large fixed price orders, delays in product readiness, damage or delays in transit, problems in achieving promised results, and various customer-initiated delays. Any such delay may cause fluctuation in the Company's reported periodic financial results.

The Company's customers are in cyclical industries. The Company's orders are subject to customers' procurement cycles and ability to invest capital, especially in the cyclical automotive, aircraft and machine tool industries. Any event which adversely impacts those customers' new product development activities may reduce their demand for the Company's products.

Interest rate fluctuations could adversely affect results. Significant changes in interest rates may affect the Company's business in several contradictory ways, depending on the Company's financial position. The Company may, in the future, use debt to finance the growth of the business through acquisitions, purchase shares of the Company's common stock or to finance working capital needs. Fluctuations in interest rates can increase borrowing costs. Increases in short-term interest rates may directly impact the amount of interest the Company is required to pay and reduce earnings accordingly. Conversely, lower interest rates will adversely impact the interest the Company earns on cash and short term investments.

Item 1B. Unresolved Staff Comments

None.

Item 2. Properties

The Company's primary owned and leased facilities at October 3, 2009 were as follows:

Owned Property:

Location	Use of Facility	Square Footage
Eden Prairie, Minnesota USA	Corporate headquarters and primary Test segment manufacturing and research	420,000
Cary, North Carolina USA	Sensors segment manufacturing, research and North American sales and service administration	65,000
Berlin, Germany	Test segment manufacturing and European sales and service administration	80,000
Shenzhen, China	Test segment manufacturing, research and sales and service administration	75,000
Shanghai, China	Test segment manufacturing and sales and service administration	129,000

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Leased Property:

Location	Use of Facility	Square Footage	Lease Expires
Chanhassen, Minnesota USA	Test segment manufacturing	97,000	2013
Ludenscheid, Germany	Sensors segment headquarters, manufacturing, research and European sales and service administration	55,000	2012

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Tokyo, Japan	Test segment sales and service administration	8,000	2013
	Sensors segment manufacturing and Asia sales and service administration	8,000	2015
Seoul, South Korea	Test segment sales, service administration and assembly	8,000	2011
Shanghai, China	Test segment sales, service administration and assembly	13,000	2010
Berlin, Germany	Land under Berlin facility	30,000	2052
Shenzhen, China	Land under Shenzhen facility	31,000	2047
Shanghai, China	Land under Shanghai facility	161,000	2056

The Company also leases space in the United States, Europe and Asia for sales and service administration for the Test segment, including locations in Michigan, France, United Kingdom, Sweden, Italy, Japan, China, and various other locations in the United States. Neither the amount of leased space nor the rental obligations in these locations are significant individually or in the aggregate. Additional information relative to lease obligations is included in Management's Discussion and Analysis of Financial Condition and Results of Operations, appearing under Item 7 of this Annual Report on Form 10-K.

The Company considers its current facilities adequate to support its operations during fiscal year 2010.

Item 3. Legal Proceedings

From time to time, the Company is party to various claims, legal actions, and complaints arising in the ordinary course of business. Management believes the final resolution of these matters will not have a material adverse effect on the consolidated financial position or results of operations of the Company.

Item 4. Submission of Matters to a Vote of Security Holders

No matters were submitted to a vote of shareholders during the fourth quarter of the fiscal year ended October 3, 2009.

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PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Shares of the Company's common stock are traded on the NASDAQ Global Select MarketSM under the symbol MTSC.

The following table sets forth the low, high, and closing share prices for the fiscal quarters indicated, as well as the volume of shares traded in the quarter. *

Quarter Ended	Low	High	Close	Volume
December 29, 2007	\$ 39.39	\$ 46.29	\$ 43.36	6,616,609
March 29, 2008	\$ 29.35	\$ 44.67	\$ 32.63	10,922,775
June 28, 2008	\$ 30.39	\$ 39.68	\$ 36.08	8,069,218
September 27, 2008	\$ 34.90	\$ 43.88	\$ 42.51	6,654,843

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December 27, 2008	\$	21.12	\$	42.46	\$	25.64	9,480,094
March 28, 2009	\$	19.75	\$	28.18	\$	22.71	6,075,476
June 27, 2009	\$	20.04	\$	23.32	\$	20.83	8,684,079
October 3, 2009	\$	20.40	\$	30.92	\$	28.13	5,636,852

* Source: NASDAQ OnlineSM at www.nasdaq.net.

At November 27, 2009, there were 1,015 holders of record of the Company's common stock. This number does not reflect shareholders who hold their shares in the name of broker-dealers or other nominees.

Purchases of Company Equity Securities:

Fiscal Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Number of Shares that May Yet be Purchased Under the Plans or Programs
First Quarter				
September 28, 2008 - December 27, 2008	120,100	\$ 30.09	120,100	2,390,938
Second Quarter				
December 28, 2008 - March 28, 2009	125,400	\$ 24.81	125,400	2,265,538
Third Quarter				
March 29, 2009 - June 27, 2009	126,000	\$ 21.63	126,000	2,139,538
Fourth Quarter				
Fiscal Month				
June 28, 2009 - August 1, 2009	48,000	\$ 21.45	48,000	2,091,538
August 2, 2009 - August 29, 2009	40,000	\$ 24.43	40,000	2,051,538
August 30, 2009 - October 3, 2009	48,000	\$ 28.46	48,000	2,003,538
Fourth Quarter	136,000	\$ 24.80	136,000	2,003,538
Fiscal Year 2009	507,500	\$ 25.27	507,500	

The Company purchases its common stock to mitigate dilution related to new shares created by employee equity compensation such as stock option, restricted stock, and employee stock purchase plan awards, as well as to return excess capital to shareholders.

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During fiscal year 2009, Company share purchases were executed under a 3.0 million share purchase authorization approved by the Company's Board of Directors and announced on August 20, 2007. Authority over pricing and timing under the authorization has been delegated to management. The share purchase authorization has no expiration date.

The Company's dividend practice is to target over time a payout ratio of approximately 25% of net earnings. During fiscal years 2009 and 2008, the Company paid quarterly cash dividends of \$0.15 per share to holders of its common stock, which resulted in a payout ratio of approximately 58% and 21%, respectively.

The Company's unsecured credit agreement (Credit Facility) includes certain financial covenants, including the ratio of consolidated total indebtedness to consolidated EBITDA, as well as the ratio of consolidated EBITDA to consolidated interest expense. These financial covenants may restrict the Company's ability to pay dividends and purchase outstanding shares of common stock. At October 3, 2009 and September 27, 2008, the Company was in compliance with these financial covenants. Information on the Company's debt agreements is included in Item 7 of

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this Annual Report on Form 10-K.

Information regarding the Company's equity compensation plans is included in Item 12 of this Annual Report on Form 10-K.

Shareholder Return Performance:

The graph and table below set forth a comparison of the cumulative total return of the Company's Common Stock over the last five fiscal years. Assuming a \$100 investment on October 2, 2004 and reinvestment of dividends, the total return over the same periods is compared to the Russell 2000 Index and a peer group of companies in the Laboratory Apparatus and Analytical, Optical, Measuring, and Controlling Instruments Standard Industrial Code (SIC Code 3820) who are traded on the NASDAQ, AMEX and NYSE exchanges. The table and graph are not necessarily indicative of future investment performance.

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	FISCAL YEAR ENDED					
	10/2/04	10/1/05	9/29/06	9/29/07	9/27/08	10/3/09
MTS Systems Corporation	\$ 100.00	\$ 172.46	\$ 149.39	\$ 194.49	\$ 201.95	\$ 137.03
Russell 2000 Index	100.00	117.95	129.66	145.65	129.17	108.18
*SIC Code 3820 Peer Group (Modified to remove non-exchange traded companies)	100.00	113.04	124.20	158.76	129.96	116.47

Item 6. Selected Financial Data

The table below provides selected historical financial data for the Company which should be read in conjunction with the Consolidated Financial Statements, the Notes to the Consolidated Financial Statements, and Management's Discussion and Analysis of Financial Condition and Results of Operations, which are included in Items 7 and 8 of this Annual Report on Form 10-K. The statement of income data for each of the three fiscal years ended October 3, 2009, September 27, 2008, and September 29, 2007 and the balance sheet data at October 3, 2009 and September 27, 2008 are derived from the audited Consolidated Financial Statements included elsewhere in this report. The statement of income data for the fiscal years ended September 30, 2006 and October 1, 2005 and the balance sheet data at September 29, 2007, September 30, 2006 and October 1, 2005 are derived from financial statements of the Company that are not included in this Annual Report on Form 10-K.

Five-Year Financial Summary

(October 3, 2009; September 27, 2008; September 29, 2007; September 30, 2006; and October 1, 2005)
(expressed in thousands, except per share data and numbers of shareholders and employees)

	2009 ¹	2008	2007	2006	2005
Operations					
Revenue	\$ 408,881	\$ 460,515	\$ 410,091	\$ 387,924	\$ 367,950
Gross profit	151,616	190,253	173,638	168,235	160,557
Gross profit as a % of revenue	37.1%	41.3%	42.3%	43.4%	43.6%
Research and development expense	\$ 16,322	\$ 16,232	\$ 19,285	\$ 17,969	\$ 14,199
Research and development as a % of revenue	4.0%	3.5%	4.7%	4.6%	3.9%
Effective income tax rate	27.2%	28.0%	27.5%	33.7%	29.4%
Income before discontinued operations	\$ 17,394	\$ 47,110	\$ 41,041	\$ 37,969	\$ 36,725
Net income	17,394	49,191	41,996	39,323	37,058
Net income as a % of revenue	4.3%	10.7%	10.2%	10.1%	10.1%
Diluted earnings per share of common stock before discontinued operations	\$ 1.03	\$ 2.68	\$ 2.24	\$ 1.97	\$ 1.79

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Diluted earnings per share of common stock	1.03	2.80	2.29	2.04	1.81
Weighted average dilutive shares outstanding during the year ²	16,831	17,544	18,330	19,229	20,509
Net interest (expense) income	\$ (916)	\$ 2,950	\$ 2,590	\$ 1,879	\$ 220
Depreciation and amortization	12,132	9,207	7,985	7,302	8,100

Financial Position

Cash, cash equivalents and short-term investments	\$ 118,885	\$ 114,099	\$ 121,395	\$ 121,537	\$ 159,793
Property and equipment, net	56,118	50,534	49,747	42,972	42,351
Total assets	386,914	399,157	352,981	324,123	351,732

Interest-bearing debt ³	40,000	26,308	8,991	15,673	23,963
Total shareholders' investment	203,965	204,942	189,701	169,321	188,432
Interest-bearing debt as a % of shareholders' investment	19.6%	12.8%	4.7%	9.3%	12.7%
Return on equity ⁴	8.5%	24.8%	24.2%	20.1%	21.4%
Return on invested capital ⁵	7.9%	22.3%	21.9%	19.7%	18.5%

Other Statistics

Number of common shareholders of record at year-end ⁶	1,010	1,043	1,092	1,201	1,471
Number of employees at year-end	2,015	1,660	1,575	1,474	1,516
Orders	\$ 340,839	\$ 485,274	\$ 421,437	\$ 366,626	\$ 397,642
Backlog of orders at year-end	167,726	234,710	204,558	189,000	217,982
Cash dividends paid per share	0.60	0.60	0.48	0.41	0.34

¹ The fiscal year ended October 3, 2009 was a 53-week fiscal year, whereas all other fiscal years presented were 52-week periods.

² Assumes the conversion of potential common shares using the treasury stock method.

³ Consists of short-term borrowings and the current and non-current portion of long-term debt.

⁴ Calculated by dividing Income Before Discontinued Operations by beginning Shareholders' Investment.

⁵ Calculated by dividing Income Before Discontinued Operations, excluding after-tax interest expense, by the aggregate of average interest bearing debt and average Shareholders' Investment.

⁶ Does not include shareholders whose stock is held in the name of broker dealers or other nominees.

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Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

MTS Systems Corporation is a leading global supplier of test systems and industrial position sensors. The Company's testing hardware and software solutions help customers accelerate and improve their design, development, and manufacturing processes and are used for determining the mechanical behavior of materials, products, and structures. MTS' high-performance position sensors provide controls for a variety of industrial and vehicular applications. MTS had 2,015 employees and revenue of \$409 million for the fiscal year ended October 3, 2009.

Fiscal Year

The Company's fiscal year ends on the Saturday closest to September 30. The fiscal years ended October 3, 2009, September 27, 2008 and September 29, 2007 consisted of 53 weeks, 52 weeks, and 52 weeks, respectively.

Fiscal Year 2009 Compared to Fiscal Year 2008

Summary of Financial Results

Highlights for Fiscal Year 2009 include:

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On September 28, 2008 the Company acquired substantially all of the assets of SANS for \$49.4 million. SANS has manufacturing facilities in both Shenzhen and Shanghai, China, and is headquartered in Shenzhen. SANS manufactures material testing systems and offers a variety of products, including electro-mechanical and static-hydraulic testing machines. The results of operations for SANS have been included in the Company's results of operations since the date of the acquisition, and are reported in the Company's Test segment. Orders for SANS for fiscal year 2009 were \$24.9 million. SANS reported a \$3.0 million loss from operations for fiscal year 2009, on \$23.6 million of revenue, driven by lower gross profit, which includes a \$1.9 million reduction associated with the sale of inventory that was written up to fair value as part of the acquisition, as well as increased operating expenses associated with integration-related items. Total Company headcount in Asia increased by approximately 550 employees during fiscal year 2009 to support the SANS business.

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Orders decreased 29.8% to \$340.8 million, compared to orders of \$485.3 million for fiscal year 2008, as sharply lower demand in worldwide industrial capital spending in the Company's markets had a negative impact on both the Test and Sensors segments. Backlog of undelivered orders at October 3, 2009 was \$167.7 million, including \$9.9 million from SANS, a decrease of 28.5% from backlog of \$234.7 million at September 27, 2008.

Revenue decreased 11.2% to \$408.9 million, compared to revenue of \$460.5 million for fiscal year 2008. This decrease was primarily due to a 12.4% decrease in the organic Test business and a 31.3% decline in the Sensors segment. SANS provided a 5.1% benefit for fiscal year 2009.

The Company initiated workforce reduction actions throughout fiscal year 2009, in order to align the Company's operating cost structure with changing market conditions. As a result of the workforce reduction actions, the Company incurred severance and benefit costs totaling \$12.1 million, of which \$10.9 million and \$1.2 million was reported in the Test and Sensors segments, respectively. Of the \$12.1 million total costs, \$6.8 million, \$4.0 million, \$1.2 million, and \$0.1 million were reported in Cost of Sales, Selling and Marketing, General and Administrative, and Research and Development expense, respectively. These actions resulted in approximately an 18% reduction in the organic business workforce.

Income from operations decreased 60.2%, to \$24.6 million, compared to \$61.8 million for fiscal year 2008, primarily driven by lower volume, higher warranty expense and the previously mentioned severance charges. This was partially offset by reduced operating expenses in the organic Test business, resulting from a smaller workforce and lower discretionary spending, and a \$6.7 million reduction in variable compensation expense.

Cash and cash equivalents at October 3, 2009 totaled \$118.9 million, compared to \$114.1 million at the end of fiscal year 2008. Cash flows from operations generated \$43.8 million. During fiscal year 2009, the Company borrowed \$16.0 million from its credit facility, paid an additional \$25.1 million for the acquisition of SANS, invested \$9.8 million in capital expenditures, and purchased 507,500 shares of common stock for \$12.8 million.

Detailed Financial Results

Total Company Orders and Backlog

The following is a comparison of fiscal year 2009 and fiscal year 2008 orders, separately identifying the impact of the SANS acquisition as well as the impact of currency translation:

	2009	Organic Business Change	SANS Acquisition (expressed in millions)	Currency Translation	2008
Orders	\$ 340.8	\$ (161.3)	\$ 24.9	\$ (8.1)	\$ 485.3

Orders totaled \$340.8 million, a decrease of \$144.5 million, or 29.8%, compared to orders of \$485.3 million for fiscal year 2008, reflecting lower order volume in both segments across all geographies as a result of reduced capital spending and overall severe economic conditions.

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Currency translation had an estimated \$8.1 million unfavorable impact on fiscal year 2009 orders. These decreases were partially offset by \$24.9 million from SANS.

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The following is a comparison of fiscal year 2009 and fiscal year 2008 orders by geography:

Geography	2009	2008 (expressed in millions)	Variance	% Variance
Americas	\$ 108.3	\$ 176.2	\$ (67.9)	-38.5%
Europe	108.7	168.4	(59.7)	-35.5%
Asia	123.8	140.7	(16.9)	-12.0%
Total Orders	\$ 340.8	\$ 485.3	\$ (144.5)	-29.8%

Backlog of undelivered orders at October 3, 2009 was \$167.7 million, a decrease of approximately \$67.0 million, or 28.5%, compared to backlog of \$234.7 million at September 27, 2008. Backlog included \$9.9 million from SANS. During fiscal year 2009, the Company experienced one significant cancellation in the Test segment of approximately \$3.0 million. The Company believes backlog is not an absolute indicator of its future revenue because a portion of the orders constituting this backlog could be cancelled at the customer's discretion. The Company seldom experiences order cancellations larger than \$1.0 million. However, current economic conditions could have an adverse impact on order cancellations in the future.

Results of Operations

The following is a comparison of fiscal year 2009 and fiscal year 2008 statements of operations (in millions, except per share data):

	2009	2008	Variance	% Variance
Revenue	\$ 408.9	\$ 460.5	\$ (51.6)	-11.2%
Cost of sales	257.3	270.2	(12.9)	-4.8%
Gross profit	151.6	190.3	(38.7)	-20.3%
Gross margin	37.1%	41.3%	-4.2%	
Operating expenses:				
Selling and marketing	71.6	76.9	(5.3)	-6.9%
General administrative	39.1	35.4	3.7	10.5%
Research and development	16.3	16.2	0.1	0.6%
Total operating expenses	127.0	128.5	(1.5)	-1.2%
Income from operations	24.6	61.8	(37.2)	-60.2%
Interest expense	(2.0)	(1.1)	(0.9)	81.8%
Interest income	1.1	4.0	(2.9)	-72.5%
Other income, net	0.2	0.8	(0.6)	-75.0%
Income before income taxes and discontinued operations	23.9	65.5	(41.6)	-63.5%
Provision for income taxes	6.5	18.4	(11.9)	-64.7%
Income before discontinued operations	17.4	47.1	(29.7)	-63.1%
Income from discontinued operations, net of tax		2.1	(2.1)	-100.0%
Net income	\$ 17.4	\$ 49.2	\$ (31.8)	-64.6%
Diluted earnings per share	\$ 1.03	\$ 2.80	\$ (1.77)	-63.2%

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The following is a comparison of fiscal year 2009 and fiscal year 2008 results of operations, separately identifying the impact of the SANS acquisition as well as the impact of currency translation:

	2009	Organic Business Change	SANS Acquisition (expressed in millions)	Currency Translation	2008
Revenue	\$ 408.9	\$ (65.3)	\$ 23.6	\$ (9.9)	\$ 460.5
Cost of sales	257.3	(21.0)	14.6	(6.5)	270.2
Gross profit	151.6	(44.3)	9.0	(3.4)	190.3
Gross margin	37.1%		38.2%		41.3%
Operating expenses:					
Selling and marketing	71.6	(7.6)	4.2	(1.9)	76.9
General administrative	39.1	(3.6)	7.8	(0.5)	35.4
Research and development	16.3	0.3		(0.2)	16.2
Total operating expenses	127.0	(10.9)	12.0	(2.6)	128.5
Income (loss) from operations	\$ 24.6	\$ (33.4)	\$ (3.0)	\$ (0.8)	\$ 61.8

Revenue

Revenue was \$408.9 million, a decrease of \$51.6 million, or 11.2%, compared to revenue of \$460.5 million for fiscal year 2008. This decrease reflects lower worldwide volume in the organic Test business and Sensors segment, resulting from reduced industrial capital spending, and an estimated \$9.9 million unfavorable impact of currency translation, partially offset by \$23.6 million from SANS. Due to the strong backlog position at the beginning of fiscal 2009, the percentage rate decrease in organic revenue represents approximately one half of the rate decrease in organic orders.

The following is a comparison of fiscal year 2009 and fiscal year 2008 revenue by geography:

Geography	2009	2008	Variance	% Variance
		(expressed in millions)		
Americas	\$ 141.8	\$ 168.6	\$ (26.8)	-15.9%
Europe	128.7	152.0	(23.3)	-15.3%
Asia	138.4	139.9	(1.5)	-1.1%
Total Revenue	\$ 408.9	\$ 460.5	\$ (51.6)	-11.2%

Although selective product price changes were implemented during each of these fiscal years, the overall impact of pricing changes did not have a material effect on revenue.

Gross profit

Gross profit was \$151.6 million, a decrease of \$38.7 million, or 20.3%, compared to gross profit of \$190.3 million for fiscal year 2008. Gross profit as a percentage of revenue was 37.1%, a decrease of 4.2 percentage points from 41.3% for fiscal year 2008. This decrease was driven by lower volume in the organic business, and includes a 1.6 percentage point reduction due to \$6.8 million severance and benefit costs associated with workforce reduction actions, as well as a 1.2 percentage point reduction due to higher warranty expense in the organic Test business. This was partially offset by a \$3.1 million reduction in variable compensation expense.

Selling and Marketing Expense

Selling and marketing expense was \$71.6 million, a decrease of \$5.3 million, or 6.9%, compared to \$76.9 million for fiscal year 2008. This decrease was primarily due to lower compensation and benefits resulting from a reduction in employees, lower commissions and sales incentives, reduced discretionary spending, as well as a \$1.4 million reduction in variable compensation expense in the organic business. These decreases were partially offset by a \$4.2 million increase from SANS, as well as \$4.0 million severance and benefit costs associated with workforce reduction actions. Selling and marketing expense as a percentage of revenue was 17.5%, compared to 16.7% for fiscal year 2008.

General and Administrative Expense

General and administrative expense was \$39.1 million, an increase of \$3.7 million, or 10.5%, compared to \$35.4 million for fiscal year 2008. This increase was primarily driven by \$7.8 million from SANS, \$1.2 million severance and benefit costs associated with workforce reduction actions, and increased legal expense in the organic business. These increases were partially offset by lower compensation and benefits resulting from a reduction in employees, reduced discretionary spending, and a \$2.2 million reduction in variable compensation expense. General and administrative expense as a percentage of revenue was 9.6%, compared to 7.7% for fiscal year 2008.

Research and Development Expense

Research and development expense was \$16.3 million, relatively flat compared to \$16.2 million for fiscal year 2008, as increased spending in the organic Test business on new product initiatives was partially offset by reduced spending in the Sensors segment. In addition, the Company continued to allocate certain of its resources towards capitalized software development activities during fiscal year 2009. Total software development costs capitalized during fiscal years 2009 and 2008 were \$3.9 million and \$4.2 million, respectively. Research and development expense as a percentage of revenue was 4.0%, compared to 3.5% for fiscal year 2008.

Income from Operations

Income from operations was \$24.6 million, a decrease of \$37.2 million, or 60.2%, compared to income from operations of \$61.8 million for fiscal year 2008. This decrease was primarily driven by lower gross profit in the organic business, severance and benefit costs associated with workforce reduction actions, as well as a \$3.0 million operating loss from SANS, partially offset by reduced operating expenses in the organic business and reduced variable compensation expense. Operating income as a percentage of revenue was 6.0%, compared to 13.4% for fiscal year 2008.

A historical level of inflation ranging from -1% to 4% impacted the Company's operating costs. The Company uses a number of strategies to mitigate the effects of cost inflation, including cost productivity initiatives such as global procurement strategies, as well as increasing prices. However, if the Company's operating costs were to become subject to significant inflationary pressures, it may not be able to fully offset such higher costs despite these strategies.

Interest Expense

Interest expense was \$2.0 million, an increase of \$0.9 million compared to \$1.1 for fiscal year 2008, as the interest expense incurred on the higher level of short-term borrowings was partially offset by a reduction in fixed-rate long-term debt.

Interest income

Interest income was \$1.1 million, a decrease of \$2.9 million compared to \$4.0 million for fiscal year 2008, due to lower interest rates, primarily in Europe.

Other Income, net

Other income, net was \$0.2 million, a decrease of \$0.6 million compared to \$0.8 million of net other income in fiscal year 2008. This decrease was primarily due to net losses on foreign currency transactions compared to net gains on foreign currency transactions in fiscal year 2008.

Provision for Income Taxes

Provision for income taxes totaled \$6.5 million, a decrease of \$11.9 million, or 64.7%, compared to \$18.4 million for the fiscal year 2008. This decrease was primarily due to decreased income before income taxes. The effective tax rate for both fiscal years 2009 and 2008 is impacted by the Company's geographic mix of income, with foreign income now generally taxed at lower rates than domestic income. In addition, the effective tax rate is favorably impacted by the Company's R&D credits and qualified domestic production activities. The effective tax rate is unfavorably impacted by certain non-deductible business expenses. The effective tax rate from continuing operations was 27.2%, a decrease of 0.8 percentage points compared to a tax rate of 28.0% for fiscal year 2008. The effective tax rate for fiscal year 2009 was favorably impacted by lower income before income taxes and a \$1.0 million tax benefit from the retroactive extension of U.S. R&D credits in fiscal year 2009, while the effective tax rate for fiscal year 2008 was favorably impacted by a \$3.7 million tax benefit from the repatriation of earnings from Japanese affiliates and the successful closure of foreign tax audits.

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Income before Discontinued Operations

Income before discontinued operations was \$17.4 million, or \$1.03 per diluted share, a decrease of \$29.7 million, or 63.1%, compared to \$47.1 million, or \$2.68 per diluted share, for fiscal year 2008. The decrease was primarily driven by lower income from operations, which included pretax severance and benefits costs of \$12.1 million, or \$0.48 per share.

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Net Income

Net income was \$17.4 million, or \$1.03 per diluted share, for fiscal year 2009, a decrease of 64.6% compared to \$49.2 million, or \$2.80 per diluted share, for fiscal year 2008. Fiscal year 2008 net income includes a net gain from discontinued operations of \$2.1 million, or \$0.12 per diluted share, resulting from the sale of the Nano Instruments product line.

Segment Results

Test Segment

Orders and Backlog

The following is a comparison of fiscal year 2009 and fiscal year 2008 orders for the Test segment, separately identifying the impact of the SANS acquisition as well as the impact of currency translation (in millions):

	2009	Organic Business Change	SANS Acquisition	Currency Translation	2008
	(expressed in millions)				
Orders	\$ 275.0	\$ (133.7)	\$ 24.9	\$ (6.0)	\$ 389.8

Orders totaled \$275.0 million, a decrease of \$114.8 million, or 29.5%, compared to orders of \$389.8 million for fiscal year 2008, reflecting lower volume in the organic business across all geographies due to sharply lower worldwide capital spending in the segment's markets, and an estimated \$6.0 million unfavorable impact of currency translation. This was partially offset by \$24.9 million from SANS. Fiscal 2009 orders included one large order totaling approximately \$7 million. Fiscal year 2008 orders included six large orders totaling approximately \$52 million. The Company considers an individual order valued at an amount equal to or greater than \$5.0 million a large order. The Test segment accounted for 80.7% of total Company orders, compared to 80.3% for the fiscal 2008.

The following is a comparison of fiscal year 2009 and fiscal year 2008 orders for the Test segment by geography:

Geography	2009	2008	Variance	% Variance
	(expressed in millions)			
Americas	\$ 87.8	\$ 150.6	\$ (62.8)	-41.7%
Europe	78.2	119.5	(41.3)	-34.6%
Asia	109.0	119.7	(10.7)	-8.9%
Total Orders	\$ 275.0	\$ 389.8	\$ (114.8)	-29.5%

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Backlog of undelivered orders at October 3, 2009 was \$156.4 million, a decrease of 29.8% from backlog of \$222.8 million at September 27, 2008. Backlog included \$9.9 million from SANS.

Results of Operations

The following is a comparison of fiscal year 2009 and fiscal year 2008 results of operations for the Test segment, separately identifying the impact of the SANS acquisition as well as the impact of currency translation:

	2009	Organic Business Change	SANS Acquisition	Currency Translation	2008
	(expressed in millions)				
Revenue	\$ 342.6	\$ (37.5)	\$ 23.6	\$ (7.6)	\$ 364.1
Cost of sales	227.4	(10.0)	14.6	(5.6)	228.4
Gross profit	115.2	(27.5)	9.0	(2.0)	135.7

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Gross margin		33.6%		38.2%		37.3%
Operating expenses:						
Selling and marketing		56.1	(5.8)	4.2	(1.5)	59.2
General administrative		29.6	(2.2)	7.8	(0.3)	24.3
Research and development		12.0	0.9			11.1
Total operating expenses		97.7	(7.1)	12.0	(1.8)	94.6
Income (loss) from operations	\$	17.5	\$	(20.4)	\$	(3.0)
					\$	(0.2)
						\$ 41.1

Revenue

Revenue was \$342.6 million, a decrease of \$21.5 million, or 5.9%, compared to revenue of \$364.1 million for fiscal year 2008, as the \$23.6 million from SANS was substantially offset by lower volume in the organic business across all geographies, as well as an estimated \$7.6 million unfavorable impact of currency translation. Due to the strong backlog position at the beginning of fiscal 2009, the percentage rate decrease in revenue in the organic business represents approximately one half of the percentage rate decrease in orders.

The following is a comparison of fiscal year 2009 and fiscal year 2008 revenue for the Test segment by geography:

Geography	2009	2008	Variance	% Variance
		(expressed in millions)		
Americas	\$ 122.8	\$ 142.7	\$ (19.9)	-13.9%
Europe	96.3	104.1	(7.8)	-7.5%
Asia	123.5	117.3	6.2	5.3%
Total Revenue	\$ 342.6	\$ 364.1	\$ (21.5)	-5.9%

Gross Profit

Gross profit was \$115.2 million, a decrease of \$20.5 million, or 15.1%, compared to gross profit of \$135.7 million for fiscal year 2008. Gross profit as a percentage of revenue was 33.6%, a decrease of 3.7 percentage points from 37.3% for fiscal year 2008. This decrease was primarily due to the revenue volume decline, and includes a 1.9 percentage point reduction due to \$6.5 million severance and benefit costs associated with workforce reduction actions, as well as a 1.5 percentage point reduction due to higher warranty expense in the organic Test business driven by a higher rate of claims. This was partially offset by a \$3.0 million reduction in variable compensation expense.

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Selling and Marketing Expense

Selling and marketing expense was \$56.1 million, a decrease of \$3.1 million, or 5.2%, compared to \$59.2 million for fiscal year 2008. This decrease was primarily due to lower compensation and benefits, resulting from a reduction in workforce, lower commissions and sales incentives, reduced discretionary spending and a \$0.9 million reduction in variable compensation expense in the organic business. These decreases were partially offset by \$4.2 million increase from SANS, as well as \$3.2 million severance and benefit costs associated with workforce reduction actions. Selling and marketing expense as a percentage of revenue was 16.4%, compared to 16.3% for fiscal year 2008.

General and Administrative Expense

General and administrative expense was \$29.6 million, an increase of \$5.3 million, or 21.8%, compared to \$24.3 million for fiscal year 2008. This increase was primarily driven by \$7.8 million from SANS, \$1.2 million severance and benefit costs associated with workforce reduction actions, and increased legal fees in the organic business. These increases were partially offset by lower compensation and benefits resulting from a reduction in workforce, reduced discretionary spending, and a \$1.6 million reduction in variable compensation expense. General and administrative expense as a percentage of revenue was 8.6%, compared to 6.7% for fiscal year 2008.

Research and Development Expense

Research and development expense was \$12.0 million, an increase of \$0.9 million, or 8.1%, compared to \$11.1 million for fiscal year 2008, driven by a planned increase in spending on new product initiatives. In addition, the Company continued to allocate certain of its resources towards capitalized software development activities during fiscal year 2009. Total software development costs capitalized during fiscal years 2009 and 2008 were \$3.9 million and \$4.2 million, respectively. Research and development expense as a percentage of revenue was 3.5%, compared to 3.0% for fiscal year 2008.

Income from Operations

Income from operations was \$17.5 million, a decrease of \$23.6 million, or 57.4%, compared to income from operations of \$41.1 million for fiscal year 2008. This decrease was primarily due to lower gross profit in the organic business, severance and benefit costs associated with workforce reduction actions, as well as a \$3.0 million operating loss from SANS, partially offset by reduced operating expenses in the organic business and reduced variable compensation expense. Operating income as a percentage of revenue was 5.1%, compared to 11.3% for fiscal year 2008.

SANS Acquisition

Orders and revenue were \$24.9 million and \$23.6 million, respectively. Gross profit as a percentage of revenue was 38.2%. Gross profit includes a \$1.9 million reduction associated with the sale of inventory that was written up to fair value as part of the acquisition, which negatively impacted the gross margin rate by 7.8 percentage points. Loss from operations was \$3.0 million, driven by reduced gross profit and increased operating expenses associated with integration activities.

Sensors Segment

Orders and Backlog

The following is a comparison of fiscal 2009 and fiscal 2008 orders for the Sensors segment, separately identifying the impact of currency translation:

	2009	Business Change (expressed in millions)	Currency Translation	2008
Orders	\$ 65.8	\$ (27.6)	\$ (2.1)	\$ 95.5

Orders totaled \$65.8 million, a decrease of \$29.7 million, or 31.1%, compared to orders of \$95.5 million for fiscal year 2008, primarily due to lower volume across all geographies resulting from sharply lower demand in worldwide industrial capital spending and a reduction in customer inventory levels. Sensors segment accounted for 19.3% of total Company orders, compared to 19.7% for fiscal year 2008.

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The following is a comparison of fiscal year 2009 and fiscal year 2008 orders for the Sensors segment by geography:

Geography	2009	2008	Variance	% Variance
		(expressed in millions)		
Americas	\$ 20.5	\$ 25.6	\$ (5.1)	-19.9%
Europe	30.5	48.9	(18.4)	-37.6%
Asia	14.8	21.0	(6.2)	-29.5%
Total Orders	\$ 65.8	\$ 95.5	\$ (29.7)	-31.1%

Backlog of undelivered orders at October 3, 2009 was \$11.3 million, a decrease of 5.0% from backlog of \$11.9 million at September 27, 2008.

Results of Operations

Fiscal Year 2009 Compared to Fiscal Year 2008

The following is a comparison of fiscal year 2009 and fiscal year 2008 results of operations for the Sensors segment, separately identifying the impact of currency translation:

	2009	Business Change (expressed in millions)	Currency Translation	2008
Revenue	\$ 66.3	\$ (27.8)	\$ (2.3)	\$ 96.4
Cost of sales	29.9	(11.0)	(0.9)	41.8

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Gross profit	36.4	(16.8)	(1.4)	54.6
Gross margin	54.9%			56.6%
Operating expenses:				
Selling and marketing	15.5	(1.8)	(0.4)	17.7
General administrative	9.5	(1.4)	(0.2)	11.1
Research and development	4.3	(0.6)	(0.2)	5.1
Total operating expenses	29.3	(3.8)	(0.8)	33.9
Income (loss) from operations	\$ 7.1	\$ (13.0)	\$ (0.6)	\$ 20.7

Revenue

Revenue was \$66.3 million, a decrease of \$30.1 million, or 31.2%, compared to revenue of \$96.4 million for the fiscal year 2008. This decrease was primarily driven by reduced worldwide order volume.

The following is a comparison of fiscal year 2009 and fiscal year 2008 revenue for the Sensors segment by geography:

Geography	2009	2008	Variance	% Variance
		(expressed in millions)		
Americas	\$ 19.0	\$ 25.9	\$ (6.9)	-26.6%
Europe	32.4	47.9	(15.5)	-32.4%
Asia	14.9	22.6	(7.7)	-34.1%
Total Revenue	\$ 66.3	\$ 96.4	\$ (30.1)	-31.2%

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Gross Profit

Gross profit was \$36.4 million, a decrease of \$18.2 million, or 33.3%, compared to gross profit of \$54.6 million for fiscal year 2008. Gross profit as a percentage of revenue was 54.9%, a decrease of 1.7 percentage points from 56.6% for fiscal year 2008. This decrease was primarily due to reduced volume, and \$0.3 million severance and benefit costs associated with workforce reduction actions, partially offset by \$0.2 million reduced variable compensation expense.

Selling and Marketing Expense

Selling and marketing expense was \$15.5 million, a decrease of \$2.2 million, or 12.4%, compared to \$17.7 million for fiscal year 2008. The decrease is primarily due to reduced discretionary spending, lower commission expense, and \$0.4 million reduced variable compensation expense, partially offset by \$0.8 million severance and benefit costs associated with workforce reduction actions. Selling and marketing expense as a percentage of revenue was 23.4%, compared to 18.4% for fiscal year 2008.

General and Administrative Expense

General and administrative expense was \$9.5 million, a decrease of \$1.6 million, or 14.4%, compared to \$11.1 million for fiscal year 2008, primarily due to reduced compensation and benefits expense, including a \$0.6 million reduction in variable compensation, as well as reduced discretionary spending. General and administrative expense as a percentage of revenue was 14.3%, compared to 11.5% for fiscal year 2008.

Research and Development Expense

Research and development expense was \$4.3 million, a decrease of \$0.8 million, or 15.7%, compared to \$5.1 million for fiscal year 2008. The decrease was due to planned reduction in spending. Research and development expense as a percentage of revenue was 6.5%, compared to 5.3% for fiscal year 2008.

Income from operations

Income from operations was \$7.1 million, a decrease of \$13.6 million, or 65.7%, compared to income from operations of \$20.7 million for fiscal year 2008, primarily due to lower gross profit, partially offset by reduced operating expenses. Operating income as a percentage of revenue was 10.7%, compared to 21.5% for fiscal year 2008.

Fiscal Year 2008 Compared to Fiscal Year 2007

Summary of Financial Results

Highlights for Fiscal Year 2008 include:

On June 27, 2008, the Company sold substantially all of the net assets of its Nano Instruments product line, which was based in Oak Ridge, Tennessee. As a result of this sale, the Company recorded a net of tax gain of \$2.4 million, or \$0.14 per diluted share, in fiscal year 2008. The Nano Instruments product line was historically included in the Company's Test segment for financial reporting. The results of operations of the Nano Instruments product line, including the gain on the sale, have been excluded from the results of operations of the Test segment and are reported as discontinued operations.

Orders increased 15.2% to \$485.3 million, compared to orders of \$421.4 million for fiscal year 2007. The increase in orders represents growth of 14.4% and 18.2% in the Test and Sensors segments, respectively, and includes an estimated \$21.1 million favorable impact of currency translation. Backlog of undelivered orders at September 27, 2008 was \$234.7 million, an increase of 14.7% from backlog of \$204.6 million at September 29, 2007.

Revenue increased 12.3% to \$460.5 million, compared to \$410.1 million for fiscal year 2007. This increase represents growth of 9.3% and 25.4% in the Test and Sensors segments, respectively, and includes an estimated \$22.1 million favorable impact of currency translation.

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Income from operations increased 14.4% to \$61.8 million, compared to \$54.0 million for fiscal year 2007. This increase was primarily due to higher volume and lower research and development expense, partially offset by unfavorable product mix and higher custom project costs in the Test segment. This increase was partially offset by planned increases in operating expenditures to support strategic initiatives.

Net income was \$49.2 million, or \$2.80 per diluted share, for fiscal year 2008, an increase of 17.1% compared to \$42.0 million, or \$2.29 per diluted share, for fiscal year 2007. The increase was primarily due to stronger operating performance in both segments, \$1.1 million increased income from discontinued operations associated with a gain on the sale of the Nano product line during fiscal year 2008, and \$1.0 million favorable currency transaction gains, partially offset by higher income tax expense of \$2.8 million. The higher income tax expense is primarily due to increased operating income.

Cash and cash equivalents at September 27, 2008 totaled \$114.1 million, compared to \$104.3 million at the end of fiscal year 2007. Cash flows from operations generated \$30.2 million. During fiscal year 2008, the Company borrowed \$24.0 million from its credit facility, made a \$13.7 million initial investment towards the acquisition of SANS, invested \$9.8 million in capital expenditures, and purchased approximately 1.0 million shares of common stock for \$42.0 million.

Detailed Financial Results

Total Company

Orders and Backlog

The following is a comparison of fiscal year 2008 and fiscal year 2007 orders, separately identifying the impact of currency translation:

	2008	Business Change	Currency Translation	2007
		(expressed in millions)		
Orders	\$ 485.3	\$ 42.8	\$ 21.1	\$ 421.4

Orders totaled \$485.3 million, an increase of \$63.9 million, or 15.2%, compared to orders of \$421.4 million for fiscal year 2007. The increase was primarily driven by Test segment orders in Europe and North America, and worldwide growth in the Sensors segment, as well as an estimated \$21.1 million favorable impact of currency translation.

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The following is a comparison of fiscal year 2008 and fiscal year 2007 orders by geography:

Geography	2008	2007	Variance	% Variance
		(expressed in millions)		
Americas	\$ 176.2	\$ 149.4	\$ 26.8	17.9%
Europe	168.4	134.5	33.9	25.2%
Asia	140.7	137.5	3.2	2.3%
Total Orders	\$ 485.3	\$ 421.4	\$ 63.9	15.2%

Backlog of undelivered orders at September 27, 2008 was \$234.7 million, an increase of 14.7% from backlog of \$204.6 million at September 29, 2007.

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Results of Operations

The following is a comparison of fiscal year 2008 and fiscal year 2007 statements of operations (in millions, except per share data):

	2008	2007	Variance	% Variance
Revenue	\$ 460.5	\$ 410.1	\$ 50.4	12.3%
Cost of sales	270.2	236.5	33.7	14.2%
Gross profit	190.3	173.6	16.7	9.6%
Gross margin	41.3%	42.3%	-1.0%	
Operating expenses:				
Selling and marketing	76.9	68.9	8.0	11.6%
General administrative	35.4	32.2	3.2	9.9%
Research and development	16.2	19.3	(3.1)	-16.1%
Total operating expenses	128.5	120.4	8.1	6.7%
Gain on sale of assets		0.7	(0.7)	-100.0%
Income from operations	61.8	53.9	7.9	14.7%
Interest expense	(1.1)	(1.3)	0.2	-15.4%
Interest income	4.0	3.9	0.1	2.6%
Other income, net	0.8		0.8	100.0%
Income before income taxes and discontinued operations	65.5	56.5	9.0	15.9%
Provision for income taxes	18.4	15.5	2.9	18.7%
Income before discontinued operations	47.1	41.0	6.1	14.9%
Income from discontinued operations, net of tax	2.1	1.0	1.1	110.0%
Net income	\$ 49.2	\$ 42.0	\$ 7.2	17.1%
Diluted earnings per share	\$ 2.80	\$ 2.29	\$ 0.51	22.3%

The following is a comparison of fiscal year 2008 and fiscal year 2007 results of operations, separately identifying the impact of currency translation:

	2008	Business Change	Currency Translation	2007
		(expressed in millions)		
Revenue	\$ 460.5	\$ 28.3	\$ 22.1	\$ 410.1
Cost of sales	270.2	18.8	14.9	236.5
Gross profit	190.3	9.5	7.2	173.6
Gross margin	41.3%			42.3%
Operating expenses:				
Selling and marketing	76.9	5.1	2.9	68.9

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General administrative	35.4	2.2	1.0	32.2
Research and development	16.2	(3.3)	0.2	19.3
Total operating expenses	128.5	4.0	4.1	120.4
Gain on sale of assets		(0.7)		0.7
Income from operations	\$ 61.8	\$ 4.8	\$ 3.1	\$ 53.9

Revenue

Revenue was \$460.5 million, an increase of \$50.4 million, or 12.3%, compared to revenue of \$410.1 million for fiscal year 2007. The increase was primarily due to an increase in custom business in the Test segment, continued growth in the Sensors segment, and an estimated \$22.1 million favorable impact of currency translation.

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The following is a comparison of fiscal year 2008 and fiscal year 2007 revenue by geography:

Geography	2008	2007	Variance	% Variance
		(expressed in millions)		
Americas	\$ 168.6	\$ 148.8	\$ 19.8	13.3%
Europe	152.0	147.5	4.5	3.1%
Asia	139.9	113.8	26.1	22.9%
Total Revenue	\$ 460.5	\$ 410.1	\$ 50.4	12.3%

Although selective product price changes were implemented during each of these fiscal years, the overall impact of pricing changes did not have a material effect on revenue.

Gross Profit

Gross profit was \$190.3 million, an increase of \$16.7 million, or 9.6%, compared to gross profit of \$173.6 million for fiscal year 2007. Gross profit as a percentage of revenue was 41.3%, a decrease of 1.0 percentage points from 42.3% for fiscal year 2007. The decrease was primarily due to unfavorable product mix and higher custom project costs in the Test segment, partially offset by increased volume.

Selling and Marketing Expense

Selling and marketing expense was \$76.9 million, an increase of \$8.0 million, or 11.6%, compared to \$68.9 million for fiscal year 2007. This increase was primarily due to increased compensation, benefits and commissions in the Test segment, and planned investment in strategic sales and marketing initiatives in the Sensors segment. These increases were partially offset by a reduction in bad debt expense. Selling and marketing expense as a percentage of revenue was 16.7%, compared to 16.8% for fiscal year 2007.

General and Administrative Expense

General and administrative expense was \$35.4 million, an increase of \$3.2 million, or 9.9%, compared to \$32.2 million for fiscal year 2007. This increase was primarily due to \$1.5 million of integration costs related to the acquisition of SANS, and increased compensation and benefits and legal fees, partially offset by a reduction in various other discretionary expenses. General and administrative expense as a percentage of revenue was 7.7%, compared to 7.9% for fiscal year 2007.

Research and Development expense

Research and development expense was \$16.2 million, a decrease of \$3.1 million, or 16.1%, compared to \$19.3 million for fiscal year 2007. Research and development expense includes expenses for both equipment and software development in the Test and Sensors segments. During fiscal year 2008, the Company allocated certain of its resources towards capitalized software development activities in the Test segment. Total software development costs capitalized during the fiscal year 2008 were \$4.2 million. Research and development expense as a percentage of revenue was 3.5%, compared to 4.7% for fiscal year 2007.

Gain on sale of Assets

Gain on sale of assets of \$0.7 million for fiscal year 2007 resulted from the sale of assets associated with the Company's linear friction welding technology.

Income from Operations

Income from operations was \$61.8 million, an increase of \$7.9 million, or 14.7%, compared to \$53.9 million for fiscal year 2007. This increase

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was primarily due to higher gross profit and lower research and development expense, partially offset by planned increases in operating expenditures to support strategic initiatives. Operating income as a percentage of revenue was 13.4% compared to 13.2% for fiscal year 2007.

Interest Expense

Interest expense was \$1.1 million, a decrease of \$0.2 million, or 15.4%, compared to \$1.3 million for fiscal year 2007. This decrease was primarily due to reductions in outstanding long-term debt.

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Interest Income

Interest income was \$4.0 million, an increase of \$0.1 million, or 2.6%, compared to \$3.9 million for fiscal year 2007. This increase was due to higher global interest rates that more than offset declines in the Company's average balances of cash, cash equivalents, and short-term investments compared to previous fiscal years.

Other Income, net

Other income, net was \$0.8 million, an increase of \$0.8 million compared to less than \$0.1 million of net other income for fiscal year 2007. Other income for fiscal 2008 included a net gain of \$0.4 million related to currency transactions. Other income for fiscal 2007 included a \$0.3 million favorable legal settlement involving intellectual property, as well as other miscellaneous income, which was mainly offset by a net loss of \$0.6 million related to currency transactions.

Provision for Income Taxes

Provision for income taxes totaled \$18.4 million, an increase of \$2.9 million, or 18.7%, compared to \$15.5 million for fiscal year 2007. The Company's effective income tax rate from continuing operations for fiscal year 2008 increased 0.5 percentage points to 28.0% compared to the effective income tax rate for fiscal year 2007 of 27.5%. During fiscal year 2008, the Company recognized \$3.5 million of tax benefits associated with the repatriation of historic earnings from its Japanese subsidiaries. Also during fiscal year 2008, the Company was only allowed to recognize R&D credits on applicable spending during the first quarter, as the provision in the United States tax law allowing for these credits expired on December 31, 2007. During fiscal year 2007, the Company recognized \$2.4 million and \$1.2 million of tax benefits as a result of favorable tax law changes in Germany and the United States, respectively. The tax legislation in Germany decreased the German tax rate and entitled the Company's primary German subsidiary to a corporate income tax refund. The tax legislation in the United States retroactively extended the R&D tax credit to January 1, 2006. This legislation allowed the Company to recognize tax credits for applicable R&D spending, incurred during the last three fiscal quarters of fiscal year 2006, during fiscal year 2007.

Income before Discontinued Operations

Income before discontinued operations was \$47.1 million, or \$2.68 per diluted share, an increase of \$6.1 million, or 14.9%, compared to \$41.0 million, or \$2.24 per diluted share, for fiscal year 2008. The increase was primarily driven by higher income from operations and a \$1.0 million favorable impact of foreign currency transaction gains.

Net Income

Net income was \$49.2 million, or \$2.80 per diluted share, an increase of \$7.2 million, or 17.1%, compared to \$42.0 million, or \$2.29 per diluted share for fiscal year 2007. Fiscal year 2008 net income included a net gain from discontinued operations of \$2.1 million, compared to net income from discontinued operations of \$1.0 million for fiscal year 2007.

Discontinued Operations

On June 27, 2008, the Company sold substantially all of the net assets of its Nano Instruments product line, which was based in Oak Ridge, Tennessee. As a result of this sale, the Company recorded a gain of \$2.4 million, net of tax of \$3.6 million, in fiscal year 2008. The Nano Instruments product line was historically included in the Company's Test segment for financial reporting. The results of operations of the Nano Instruments product line, including the gain on the sale, have been excluded from the results of operations of the Test segment and are reported as discontinued operations.

The Company does not allocate interest income or interest expense to discontinued operations. There were no significant operating results of discontinued operations during the fiscal year ended October 3, 2009. Operating results of discontinued operations included in the Company's results for the fiscal years ended September 27, 2008, and September 29, 2007 were as follows:

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	2008 (expressed in thousands)	2007
Revenue	\$ 6,106	\$ 10,413
(Loss) income from discontinued operations before taxes and gain on sale	(628)	1,576
(Benefit) provision for income taxes	(260)	621
(Loss) income from discontinued operations, net of tax	\$ (368)	\$ 955

There were no significant assets or liabilities of discontinued operations at October 3, 2009. The assets and liabilities of discontinued operations at September 27, 2008 were as follows:

	2008 (expressed in thousands)
Accounts receivable, net of allowances for doubtful accounts	\$ 149
Unbilled accounts receivable	88
Current deferred tax assets	143
Total assets of discontinued operations	\$ 380
Accrued income taxes	\$ 177
Total liabilities of discontinued operations	\$ 177

Segment Results**Test Segment****Orders and Backlog**

The following is a comparison of fiscal year 2008 and fiscal year 2007 orders for the Test segment, separately identifying the impact of the SANS acquisition as well as the impact of currency translation:

	2008	Business Change (expressed in millions)	Currency Translation	2007
Orders	\$ 389.8	\$ 35.1	\$ 14.1	\$ 340.6

Orders totaled \$389.8 million, an increase of \$49.2 million, or 14.4%, compared to orders of \$340.6 million for fiscal year 2007. The increase was primarily due to increased volume in Europe and North America, and an estimated \$14.1 million favorable impact of currency translation. During fiscal year 2008, the Company booked six large custom orders which aggregated to approximately \$52 million. During fiscal year 2007, the Company booked five large custom orders which aggregated to approximately \$41 million. The Company considers an individual order valued at an amount equal to or greater than \$5 million a significant order. The Test segment accounted for 80.3% of total Company orders, compared to 80.8% for fiscal year 2007.

The following is a comparison of fiscal year 2008 and fiscal year 2007 orders for the Test segment by geography:

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Geography	2008	2007	Variance	% Variance
		(expressed in millions)		
Americas	\$ 150.6	\$ 125.5	\$ 25.1	20.0%
Europe	119.5	94.6	24.9	26.3%
Asia	119.7	120.5	(0.8)	-0.7%
Total Orders	\$ 389.8	\$ 340.6	\$ 49.2	14.4%

Backlog of undelivered orders at September 27, 2008 was \$222.8 million, an increase of 15.7% from backlog of \$192.6 million at September 29, 2007.

Results of Operations

The following is a comparison of fiscal year 2008 and fiscal year 2007 results of operations for the Test segment, separately identifying the impact of currency translation (in millions):

	2008	Business Change	Currency Translation	2007
		(expressed in millions)		
Revenue	\$ 364.1	\$ 16.2	\$ 14.7	\$ 333.2
Cost of sales	228.4	14.4	11.6	202.4
Gross profit	135.7	1.8	3.1	130.8
Gross margin	37.3%			39.3%
Operating expenses:				
Selling and marketing	59.2	2.7	1.8	54.7
General administrative	24.3	1.2	0.5	22.6
Research and development	11.1	(4.0)		15.1
Total operating expenses	94.6	(0.1)	2.3	92.4
Gain on sale of assets		(0.7)		0.7
Income from operations	\$ 41.1	\$ 1.2	\$ 0.8	\$ 39.1

Revenue

Revenue was \$364.1 million, an increase of \$30.9 million, or 9.3%, compared to revenue of \$333.2 million for fiscal year 2007. The increase was primarily due to an increase in custom business and an estimated \$14.7 million favorable impact of currency translation.

The following is a comparison of fiscal year 2008 and fiscal year 2007 revenue for the Test segment by geography:

Geography	2008	2007	Variance	% Variance
		(expressed in millions)		
Americas	\$ 142.7	\$ 125.6	\$ 17.1	13.6%
Europe	104.1	108.5	(4.4)	-4.1%
Asia	117.3	99.1	18.2	18.4%
Total Revenue	\$ 364.1	\$ 333.2	\$ 30.9	9.3%

Gross Profit

Gross profit was \$135.7 million, an increase of \$4.9 million, or 3.7%, compared to gross profit of \$130.8 million for fiscal year 2007. Gross profit as a percentage of revenue was 37.3%, a decrease of 2.0 percentage points from 39.3% for fiscal year 2007. The decrease in gross profit rate was primarily due to unfavorable product mix and higher custom project costs, as well as a 0.7 percentage point unfavorable impact of currency translation.

Selling and Marketing Expense

Selling and marketing expense was \$59.2 million, an increase of \$4.5 million, or 8.2%, compared to \$54.7 million for fiscal year 2007. This increase was primarily due to increased compensation, benefits and commissions, partially offset by a \$0.4 million reduction in bad debt expense. Selling and marketing expense as a percentage of revenue was 16.3%, compared to 16.4% for fiscal year 2007.

General and Administrative Expense

General and administrative expense was \$24.3 million, an increase of \$1.7 million, or 7.5%, compared to \$22.6 million for fiscal year 2007. This increase was primarily due to \$1.5 million of costs to support the acquisition of SANS, and increased compensation and benefits and legal fees, partially offset by a reduction in various other discretionary expenses. General and administrative expense as a percentage of revenue was 6.7%, compared to 6.8% for fiscal year 2007.

Research and Development Expense

Research and development expense was \$11.1 million, a decrease of \$4.0 million, or 26.5%, compared to \$15.1 million for fiscal year 2007, as the Company allocated certain of its own resources towards capitalized software development activities in the Test segment. Total software development costs capitalized during the fiscal year ended September 27, 2008 were \$4.2 million. Research and development expense as a percentage of revenue was 3.0%, compared to 4.5% for fiscal year 2007.

Income from Operations

Income from operations was \$41.1 million, an increase of \$1.9 million, or 4.8%, compared to income from operations of \$39.2 million for fiscal year 2007. This increase was primarily due to increased gross profit and lower research and development expense, partially offset by planned increases in operating expenses in fiscal year 2008, and a \$0.7 million gain on the sale of the noise and vibration business in fiscal year 2007. Operating income as a percentage of revenue was 11.3%, compared to 11.8% for fiscal year 2007.

Sensors Segment**Orders and Backlog**

The following is a comparison of fiscal year 2008 and fiscal year 2007 orders for the Sensors segment, separately identifying the impact of currency translation:

	2008	Business Change (expressed in millions)	Currency Translation	2007
Orders	\$ 95.5	\$ 7.7	\$ 7.0	\$ 80.8

Orders totaled \$95.5 million, an increase of \$14.7 million, or 18.2%, compared to orders of \$80.8 million for fiscal year 2007, primarily due to continued worldwide growth and an estimated \$7.0 million favorable impact of currency translation. Sensors segment accounted for 19.7% of total Company orders, compared to 19.2% for fiscal year 2007.

The following is a comparison of fiscal year 2008 and fiscal year 2007 orders for the Sensors segment by geography:

Geography	2008	2007	Variance	% Variance
		(expressed in millions)		
Americas	\$ 25.6	\$ 23.9	\$ 1.7	7.1%
Europe	48.9	39.9	9.0	22.6%
Asia	21.0	17.0	4.0	23.5%
Total Orders	\$ 95.5	\$ 80.8	\$ 14.7	18.2%

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Backlog of undelivered orders at September 27, 2008 was \$11.9 million, relatively flat compared to backlog of \$12.0 million at September 29, 2007.

Results of Operations

The following is a comparison of fiscal year 2008 and fiscal year 2007 results of operations for the Sensors segment, separately identifying the impact of currency translation (in millions):

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	2008	Business Change (expressed in millions)	Currency Translation	2007
Revenue	\$ 96.4	\$ 12.1	\$ 7.4	\$ 76.9
Cost of sales	41.8	4.4	3.3	34.1
Gross profit	54.6	7.7	4.1	42.8
Gross margin	56.6%			55.6%

Operating expenses:

Selling and marketing	17.7	2.4	1.1	14.2
General administrative	11.1	1.0	0.5	9.6
Research and development	5.1	0.7	0.2	4.2
Total operating expenses	33.9	4.1	1.8	28.0
Income from operations	\$ 20.7	\$ 3.6	\$ 2.3	\$ 14.8

Revenue

Revenue was \$96.4 million, an increase of \$19.5 million, or 25.4%, compared to revenue of \$76.9 million for fiscal year 2007. This increase was primarily due to higher beginning backlog, increased worldwide order volume, and an estimated \$7.4 million favorable impact of currency translation.

The following is a comparison of fiscal year 2008 and fiscal year 2007 revenue for the Sensors segment by geography:

Geography	2008	2007	Variance	% Variance
		(expressed in millions)		
Americas	\$ 25.9	\$ 23.2	\$ 2.7	11.6%
Europe	47.9	39.0	8.9	22.8%
Asia	22.6	14.7	7.9	53.7%
Total Revenue	\$ 96.4	\$ 76.9	\$ 19.5	25.4%

Gross Profit

Gross profit was \$54.6 million, an increase of \$11.8 million, or 27.6%, compared to gross profit of \$42.8 million for fiscal year 2007. Gross profit as a percentage of revenue was 56.6%, an increase of 1.0 percentage points from 55.6% for fiscal year 2007. This increase was primarily due to increased volume.

Selling and Marketing Expense

Selling and marketing expense was \$17.7 million, an increase of \$3.5 million, or 24.6%, compared to \$14.2 million for fiscal year 2007. This increase was primarily due to increased compensation, benefits, and other costs to support strategic initiatives. Selling and marketing expense as a percentage of revenue was 18.4%, compared to 18.5% for fiscal year 2007.

General and Administrative Expense

General and administrative expense was \$11.1 million, an increase of \$1.5 million, or 15.6%, compared to \$9.6 million for fiscal year 2007, primarily due to increased compensation and benefits. General and administrative expense as a percentage of revenue was 11.5%, compared to 12.5% for fiscal year 2007.

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Research and Development Expense

Research and development expense was \$5.1 million, an increase of \$0.9 million, or 21.4%, compared to \$4.2 million for fiscal year 2007, due to a planned increase in spending. Research and development expense as a percentage of revenue was 5.3%, compared to 5.5% for fiscal year 2007.

Income from Operations

Income from operations was \$20.7 million, an increase of \$5.9 million, or 39.9%, compared to income from operations of \$14.8 million for fiscal year 2007, primarily due to increased gross profit, partially offset by planned increases in operating expenses to support strategic initiatives. Operating income as a percentage of revenue was 21.5%, compared to 19.2% for fiscal year 2007.

Cash Flow

Total cash and cash equivalents increased \$4.8 million during fiscal year 2009, primarily due to earnings and decreased working capital requirements, partially offset by employee incentive and related benefit payments, purchases of company stock, dividend payments, investment in property and equipment, and the acquisition of SANS.

Total cash and cash equivalents increased \$9.8 million during fiscal year 2008, primarily due to earnings, proceeds received from borrowings on the credit facility, net proceeds from the conversion of short-term investments to cash and cash equivalents, net proceeds from the sale of the Nano Instruments product line, and proceeds from the exercise of stock options. These factors were partially offset by purchases of the Company's common stock, an initial investment towards the purchase of SANS, funding contributions to a defined benefit pension plan, increased working capital requirements, and dividend payments.

Total cash and cash equivalents increased \$6.4 million during fiscal year 2007, primarily due to earnings, net proceeds from the conversion of short-term investments to cash and cash equivalents, proceeds from the exercise of stock options, and a favorable impact of currency translation, partially offset by purchases of the Company's common stock, increased working capital requirements, and dividend payments.

Cash flow from operating activities provided cash of \$43.8 million during fiscal year 2009, compared to cash provided of \$30.2 million and \$44.9 million in fiscal year 2008 and 2007, respectively. Fiscal year 2009 cash flow from operating activities was primarily due to earnings and \$52.1 million decreased accounts and unbilled receivables driven by lower revenue volume. This cash provided was partially offset by \$14.6 million decreased accounts payable primarily resulting from overall reduced spending levels, \$20.7 million decrease in advance payables received from customers driven by decreased orders and negotiated payment terms, and \$8.6 million incentive and benefit payments.

Fiscal year 2008 cash flow from operating activities was primarily due to earnings, partially offset by \$13.2 million contributions to a defined benefit pension plan, \$11.1 million increased working capital requirements, and \$4.6 million net cash usage for the discontinued Nano Instruments product line.

Fiscal year 2007 cash flow from operating activities was primarily due to earnings and a \$7.6 million increase in income taxes payable, partially offset by \$9.2 million increased working capital requirements and a \$4.6 net increase in deferred tax assets.

Cash flow from investing activities required the use of cash totaling \$33.6 million during fiscal year 2009, compared to cash provided of \$3.6 million during fiscal year 2008, and \$5.2 million used during fiscal year 2007. The cash usage for fiscal year 2009 was due to \$25.1 million payments associated with the acquisition of SANS and \$9.8 million invested in property and equipment, partially offset by \$1.3 million proceeds from the sale of the Nano instruments product line in fiscal year 2008.

During fiscal year 2008, the Company received net proceeds of \$17.1 million and \$10.3 million for the maturity of short term investments and the sale of the Nano Instruments product line, respectively, and invested \$13.7 million and \$9.8 million in SANS and property and equipment, respectively.

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During fiscal year 2007, the Company invested \$12.0 million in property and equipment, and received net proceeds of \$6.5 million and \$1.0 million from the maturity of short-term investments and the sale of assets associated with the Company's linear friction welding technology, respectively.

Cash flow from financing activities required a use of cash of \$7.8 million during fiscal year 2009, compared to \$26.5 million and \$41.5 million used in fiscal year 2008 and 2007, respectively. The cash usage for fiscal year 2009 was primarily due to \$12.8 million to purchase shares of the Company's common stock, payment of cash dividends of \$10.1 million, and repayment of interest-bearing debt of \$2.3 million, partially offset by \$16.0 million borrowings on the Company's credit facility, and \$1.6 million received from stock option exercises and stock purchases under the Company's employee stock purchase plan.

During fiscal year 2008, the Company's cash usage primarily resulted from purchases of the Company's common stock of \$42.0 million, including purchases of stock related to stock option exercises of \$3.2 million, payment of cash dividends of \$10.5 million, and net repayment of interest-bearing debt of \$6.7 million, partially offset by \$24.0 million borrowings on the Company's credit facility, and \$7.9 million received from stock option exercises and stock purchases under the Company's employee stock purchase plan.

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During fiscal year 2007, the Company's cash usage primarily resulted from purchases of the Company's common stock of \$38.2 million, including purchases of stock related to stock option exercises of \$0.3 million, payment of cash dividends of \$8.0 million, and net repayment of interest-bearing debt of \$6.7 million, partially offset by \$9.3 million received from stock option exercises and stock purchases under the Company's employee stock purchase plan.

During fiscal years 2009, 2008 and 2007, the Company purchased approximately 0.5 million, 1.0 million, and 1.0 million shares of its common stock for \$12.8 million, \$38.8 million, and \$37.9 million, respectively.

Liquidity and Capital Resources

The Company had cash and cash equivalents of \$118.9 million at October 3, 2009. Of this amount, approximately \$14.9 million was located in North America, \$84.1 million in Europe, and \$19.9 million in Asia. The North American balance was primarily invested in tax-free money market funds and in bank deposits. In Europe, the balances were primarily invested in Euro money market funds and bank deposits. In Asia, the balances were primarily invested in bank deposits.

At October 3, 2009, the Company's capital structure was comprised of \$40.2 million in short-term debt and \$204.0 million in Shareholders Investment. Total interest-bearing debt at October 3, 2009 was \$40.0 million, an increase of \$13.7 million from \$26.3 million at September 27, 2008, due to \$16.0 million of additional borrowings on the credit facility, partially offset by scheduled long term debt payments. Notes payable outstanding on September 27, 2008 consisted of \$24.0 million in interest-bearing short-term notes payable placed with the Company's credit facility. The borrowings on the credit facility include, at the Company's discretion, optional month-to-month term renewals and loan repricing until December 2012. Under the terms of the credit facility, the Company has agreed to certain financial covenants, including, among other covenants, the ratio of consolidated total indebtedness to consolidated earnings before interest, taxes, depreciation, and amortization (EBITDA), as well as the ratio of consolidated EBITDA to consolidated interest expense. These covenants may restrict the Company's ability to pay dividends and purchase outstanding shares of common stock. At October 3, 2009, the Company was in compliance with these financial covenants.

Shareholders Investment decreased by \$1.0 million during fiscal year 2009, primarily due to \$12.8 million in purchases of the Company's common stock, \$10.1 million in dividends declared, partially offset by operating results, \$3.3 million in stock-based compensation, \$2.5 million of foreign currency translation gains, and \$1.6 million received from stock option exercises and stock purchases under the Company's employee stock purchase plan.

The Company believes its liquidity, represented by funds available from cash, cash equivalents, credit facility, anticipated cash from operations, and capital structure are adequate to fund ongoing operations, internal growth opportunities, capital expenditures and Company dividends and share purchases, as well as to fund strategic acquisitions.

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At October 3, 2009, the Company's contractual obligations were as follows:

Contractual Obligations ⁽¹⁾	Total	Payments Due by Period (expressed in thousands)			
		Less than 1 year	1 - 3 years	3 - 5 years	More than 5 years
Operating Lease Obligations	\$ 17,088	\$ 5,095	\$ 6,972	\$ 2,437	\$ 2,584
Other Long-Term Obligations ⁽²⁾	7,444	693	1,356	1,086	4,309
Total	\$ 24,532	\$ 5,788	\$ 8,328	\$ 3,523	\$ 6,893

(1) Long-term income tax liabilities for uncertain tax positions have been excluded from the contractual obligations table as the Company is not able to make a reasonably reliable estimate of the amount and period of related future payments. At October 3, 2009, the Company's long-term liability for uncertain tax positions was \$3.6 million.

(2) Other long-term obligations include liabilities under pension and other retirement plans.

At October 3, 2009 the Company had letters of credit and guarantees outstanding totaling \$23.1 million and \$2.7 million, respectively, primarily to bond advance payments and performance related to customer contracts in the Test segment. The Company's operating leases are primarily for

office space and automobiles.

Off-Balance Sheet Arrangements

At the end of fiscal year 2009, the Company did not have any off-balance sheet arrangements, as such term is defined in rules promulgated by the SEC, that have or are reasonably likely to have a current or future effect on the Company's financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.

Critical Accounting Policies

The Consolidated Financial Statements are prepared in accordance with U.S. generally accepted accounting principles (GAAP), which require the Company to make estimates and assumptions in certain circumstances that affect amounts reported. In preparing these financial statements, management has made its best estimates and judgments of certain amounts, giving due consideration to materiality. The Company believes that of its significant accounting policies, the following are particularly important to the portrayal of the Company's results of operations and financial position, may require the application of a higher level of judgment by the Company's management, and as a result, are subject to an inherent degree of uncertainty. For further information see Summary of Significant Accounting Policies and Stock-Based Compensation under Notes 1 and 2, respectively, to the Consolidated Financial Statements, included in Item 8 of this Annual Report on Form 10-K.

Revenue Recognition: The Company is required to comply with a variety of technical accounting requirements in order to achieve consistent and accurate revenue recognition. The most significant area of judgment and estimation is percentage of completion contract accounting. The Company develops cost estimates that include materials, component parts, labor and overhead costs. Detailed costs plans are developed for all aspects of the contracts during the bidding phase of the contract. Cost estimates are largely based on actual historical performance of similar projects combined with current knowledge of the projects in progress. Significant factors that impact the cost estimates include technical risk, inflationary cost of materials and labor, changes in scope and schedule, and internal and subcontractor performance. Actual costs incurred during the project phase are monitored and compared to the estimates on a monthly basis. Cost estimates are revised based on changes in circumstances. Anticipated losses on long-term contracts are recognized when such losses become evident.

Inventories: The Company maintains a material amount of inventory to support its engineering and manufacturing operations. The Company establishes valuation reserves for excess, slow moving, and obsolete inventory based on inventory levels, expected product life, and forecasted sales demand. It is possible that an increase in the Company's inventory reserves may be required in the future if there is a significant decline in demand for the Company's products and the Company does not adjust its manufacturing production accordingly.

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Impairment of Long-Lived Assets. The Company reviews the carrying value of long-lived assets or asset groups, such as property and equipment and intangibles subject to amortization, when events or changes in circumstances such as market value, asset utilization, physical change, legal factors, or other matters indicate that the carrying value may not be recoverable. When this review indicates the carrying value of an asset or asset group exceeds the sum of the undiscounted cash flows expected to result from the use and eventual disposition of the asset or asset group, the Company recognizes an asset impairment charge against operations. The amount of the impairment loss recorded is the amount by which the carrying value of the impaired asset or asset group exceeds its fair value.

Goodwill: The Company tests goodwill at least annually for impairment. Goodwill is also tested for impairment as changes in circumstances occur indicating that the carrying value may not be recoverable. Goodwill impairment testing first requires a comparison of the fair value of each reporting unit to the carrying value. If the carrying value of the reporting unit exceeds fair value, goodwill is considered impaired. The fair value of a reporting unit is estimated using a discounted cash flow model that requires input of certain estimates and assumptions requiring management judgment, including projections of economic conditions and customer demand, revenue and margins, changes in competition, operating costs, and new product introductions. The Company believes the estimates and assumptions used in determining the projected cash flows of its reporting units are reasonable however, significant changes in estimates of future cash flows, such as those caused by unforeseen events or changes in market conditions could materially impact the fair value of a reporting unit which could result in the recognition of a goodwill impairment charge.

Software Development Costs: The Company incurs costs associated with the development of software to be sold, leased, or otherwise marketed. Software development costs are expensed as incurred until technological feasibility has been established, at which time future costs incurred are capitalized until the product is available for general release to the public. A certain amount of judgment and estimation is required to assess when technological feasibility is established, as well as the ongoing assessment of the recoverability of capitalized costs. In evaluating the recoverability of capitalized software costs, the Company compares expected product performance, utilizing forecasted revenue amounts, to the total costs incurred to date and estimates of additional costs to be incurred. If revised forecasted product revenue is less than, and/or revised

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forecasted costs are greater than, the previously forecasted amounts, the net realizable value may be lower than previously estimated, which could result in the recognition of an impairment charge in the period in which such a determination is made.

Warranty Obligations: The Company is subject to warranty guarantees on sales of its products. A certain amount of judgment is required in determining appropriate reserve levels for anticipated warranty claims. While these reserve levels are based on historical warranty experience, they may not reflect the actual claims that will occur over the upcoming warranty period, and additional warranty reserves may be required.

Income Taxes: The Company records a tax provision for the anticipated tax consequences of the reported results of operations. Deferred tax assets and liabilities are measured using the currently enacted tax rates that apply to taxable income in effect for the years in which those deferred tax assets and liabilities are expected to be realized or settled. The Company records a valuation allowance to reduce deferred tax assets to the amount that is believed more likely than not to be realized. The Company believes it is more likely than not that forecasted income, including income that may be generated as a result of certain tax planning strategies, together with the tax effects of the deferred tax liabilities, will be sufficient to fully recover the remaining net realizable value of its deferred tax assets. In the event that all or part of the net deferred tax assets are determined not to be realizable in the future, an adjustment to the valuation allowance would be charged to earnings in the period such determination is made. In addition, the calculation of tax liabilities involves significant judgment in estimating the impact of uncertainties in the application of complex tax laws. Resolution of these uncertainties in a manner inconsistent with management's expectations could have a material impact on the Company's financial condition and operating results.

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Recent Accounting Pronouncements

In June 2009, the Financial Accounting Standards Board (FASB) issued Statement of Financial Accounting Standards (SFAS) No. 168, The FASB Accounting Standards Codification and the Hierarchy of Generally Accepted Accounting Principles as codified by Accounting Standards Codification (ASC) 105. This standard establishes only two levels of U.S. generally accepted accounting principles (GAAP), authoritative and non-authoritative. The FASB Accounting Standards Codification (the Codification) is the source of authoritative, nongovernmental GAAP, except for rules and interpretive releases of the SEC, which are sources of authoritative GAAP for SEC registrants. All other non-grandfathered, non-SEC accounting literature not included in the Codification will become non-authoritative. ASC 105 is effective for interim or annual reporting periods ending after September 15, 2009. The Company adopted the provisions of ASC 105 in the fourth quarter of fiscal year 2009 and included references to the ASC in the Notes to the Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K. The Company's adoption of the provisions of ASC 105 did not have an impact on the consolidated financial statements, as the Codification did not change or alter existing GAAP.

In August 2009, the FASB issued Accounting Standards Update No. 2009-05 (ASU 2009-05), an update to ASC 820, Fair Value Measurements and Disclosures. This update provides amendments to reduce potential ambiguity in financial reporting when measuring the fair value of liabilities. Among other provisions, this ASU 2009-05 provides clarification that, in circumstances in which a quoted price in an active market for the identical liability is not available, a reporting entity is required to measure fair value using one or more of the valuation techniques described in this update. ASU 2009-05 is effective for interim or annual financial periods beginning after August 27, 2009. The Company does not expect the adoption of ASU 2009-05 to have a material impact on its consolidated financial statements.

In May 2009, the FASB issued SFAS No. 165, Subsequent Events as codified by ASC 855-10. This standard establishes general standards or accounting for and disclosure of events that occur after the balance sheet date but before financial statements are issued or are available to be issued. In addition, ASC 855 sets forth the period after the balance sheet date during which management of a reporting entity should evaluate events or transactions that may occur for potential recognition or disclosure in financial statements, the circumstances under which an entity should recognize events or transactions occurring after the balance sheet date in its financial statements, and the disclosures an entity should make about events or transactions that occurred after the balance sheet date. ASC 855 is effective for interim or annual financial periods ending after June 15, 2009. The Company's adoption of the provisions of ASC 855 during the third quarter of fiscal year 2009 did not have an impact on the consolidated financial statements.

In December 2008, the FASB issued FSP FAS 132R-1, Employers' Disclosures about Postretirement Benefit Plan Assets as codified by ASC 715-20-65-2. This standard amends SFAS No. 132 (revised 2003), Employers' Disclosures about Pensions and Other Postretirement Benefits as codified by ASC 715-20 and requires additional disclosures regarding defined benefit plan assets, including investment policies and strategies, major categories of plan assets, valuation techniques used to measure the fair value of plan assets and significant concentrations of risk within plan assets. ASC 715-20-65-2 is effective for fiscal years ending after December 15, 2009. The Company does not expect the adoption of ASC 715-20-65-2 to have a material impact on its consolidated financial statements.

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In June 2008, the FASB issued EITF No. 07-5, *Determining Whether an Instrument (or an Embedded Feature) Is Indexed to an Entity's Own Stock* as codified by ASC 815-40-15. This standard provides that an entity should use a two step approach to evaluate whether an equity-linked financial instrument (or embedded feature) is indexed to its own stock, including evaluating the instrument's contingent exercise and settlement provisions. It also clarifies the impact of foreign currency denominated strike prices and market-based employee stock option valuation instruments on the evaluation. ASC 815-40-15 is effective for fiscal years beginning after December 15, 2008. The Company does not expect the adoption of ASC 815-40-15 to have a material impact on its consolidated financial statements.

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In June 2008, the FASB issued FSP Emerging Issues Task Force (EITF) No. 03-6-1 *Determining Whether Instruments Granted in Share-Based Payment Transactions Are Participating Securities* as codified by ASC 260-10-45. This standard clarifies that all outstanding unvested share-based payment awards that contain rights to non-forfeitable dividends participate in undistributed earnings with common shareholders. Awards of this nature are considered participating securities and the two-class method of computing basic and diluted earnings per share must be applied. ASC 260-10-45 is effective for fiscal years beginning after December 15, 2008. The Company does not expect the adoption of ASC 260-10-45 to have a material impact on its consolidated financial statements.

In April 2008, the FASB issued Staff Position (FSP) FAS 142-3 *Determination of the Useful Life of Intangible Assets* as codified by ASC 350-30-65-1. This standard amends the factors that should be considered in developing renewal or extension assumptions used to determine the useful life of intangible assets under SFAS No. 142 *Goodwill and Other Intangible Assets* as codified under ASC 350-30. ASC 350-30-65-1 is intended to improve the consistency between the useful life of a recognized intangible asset under ASC 350-30 and the period of the expected cash flows used to measure the fair value of the asset under ASC 805 and other GAAP. ASC 350-30-65-1 is effective for fiscal years beginning after December 15, 2008, with early adoption prohibited. The Company does not expect the adoption of ASC 350-30-65-1 to have a material impact on its consolidated financial statements.

In December 2007, the FASB issued SFAS No. 141 (revised 2007), *Business Combinations* as codified by ASC 805. ASC 805 expands the definition of a business combination and requires the fair value of the purchase price of an acquisition, including the issuance of equity securities, to be determined on the acquisition date. ASC 805 also requires that all assets, liabilities, contingent considerations, and contingencies of an acquired business be recorded at fair value at the acquisition date. In addition, ASC 805 requires that acquisition costs generally be expensed as incurred, restructuring costs generally be expensed in periods subsequent to the acquisition date and changes in accounting for deferred tax asset valuation allowances and acquired income tax uncertainties after the measurement period impact income tax expense. ASC 805 is effective for the Company's fiscal years beginning on or after December 15, 2008, with early adoption prohibited. The Company does not expect the adoption of ASC 805 to have a material impact on its consolidated financial statements.

Quarterly Financial Information

Revenue and operating results reported on a quarterly basis do not necessarily reflect trends in demand for the Company's products or its operating efficiency. Revenue and operating results in any quarter may be significantly affected by customer shipments, installation timing, or the timing of the completion of one or more contracts where revenue is recognized upon shipment or customer acceptance rather than on the percentage-of-completion method of revenue recognition. The Company's use of the percentage-of-completion revenue recognition method for large, long-term projects generally has the effect of smoothing significant fluctuations from quarter to quarter. See Note 1 to the Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information on the Company's revenue recognition policy. Quarterly earnings also vary as a result of the use of estimates including, but not limited to, the rates used in recording federal, state, and foreign income tax expense. See Notes 1 and 8 to the Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K for additional information on the Company's use of estimates and income tax related matters, respectively.

Selected quarterly financial information for the fiscal years ended October 3, 2009 and September 27, 2008 was as follows:

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Total Year
	(expressed in thousands, except per share data)				
2009					
Revenue	\$ 116,609	\$ 107,652	\$ 90,779	\$ 93,841	\$ 408,881
Gross profit	44,221	41,513	34,604	31,278	151,616
Income (loss) before income taxes	12,842	10,359	4,495	(3,793)	23,903
Net income (loss)	\$ 9,751	\$ 7,473	\$ 3,149	\$ (2,979)	\$ 17,394

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Earnings (loss) per share:

Basic	\$	0.58	\$	0.45	\$	0.19	\$	(0.18)	\$	1.04
Diluted	\$	0.57	\$	0.45	\$	0.19	\$	(0.18)	\$	1.03

2008

Revenue	\$	107,392	\$	112,168	\$	116,886	\$	124,069	\$	460,515
Gross profit		43,222		46,074		47,246		53,711		190,253
Income before income taxes and discontinued operations		12,604		15,381		15,327		22,148		65,460
Income before discontinued operations		8,181		13,445		10,985		14,499		47,110
Discontinued operations, net of tax		175		94		1,765		47		2,081
Net income	\$	8,356	\$	13,539	\$	12,750	\$	14,546	\$	49,191
Earnings per share:										
Basic										
Income before discontinued operations	\$	0.46	\$	0.76	\$	0.64	\$	0.86	\$	2.72
Discontinued operations, net of tax		0.01		0.01		0.10				0.12
Earnings per share	\$	0.47	\$	0.77	\$	0.74	\$	0.86	\$	2.84
Diluted										
Income before discontinued operations	\$	0.45	\$	0.75	\$	0.63	\$	0.85	\$	2.68
Discontinued operations, net of tax		0.01		0.01		0.10				0.12
Earnings per share	\$	0.46	\$	0.76	\$	0.73	\$	0.85	\$	2.80

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Item 7A. Quantitative and Qualitative Disclosures about Market Risk

Foreign Currency Exchange Risk

Approximately 65-70% of the Company's revenue has historically been derived from shipments to customers outside of the United States and about 59% of this revenue (approximately 40% of the Company's total revenue) is denominated in currencies other than the U.S. dollar. The Company's international subsidiaries have functional currencies other than the Company's U.S. dollar reporting currency and, occasionally, transact business in currencies other than their functional currencies. These non-functional currency transactions expose the Company to market risk on assets, liabilities and cash flows recognized on these transactions.

The strengthening of the U.S. dollar relative to foreign currencies decreases the value of foreign currency-denominated revenue and earnings when translated into U.S. dollars. Conversely, a weakening of the U.S. dollar increases the value of foreign currency-denominated revenue and earnings. The following table illustrates financial results utilizing currency exchange rates from the prior year to estimate the impact of currency on the following financial items:

Foreign Currency Exchange Rates

	2009	2008	2007
	(expressed in thousands)		
(Decrease) increase from currency translation on:			
Orders	\$ (8,077)	\$ 21,090	\$ 9,107
Revenue	(9,921)	22,128	11,593
Net Income	\$ (581)	\$ 2,243	\$ 868

The estimated net effect of currency translation on orders, revenue, and net income was unfavorable in fiscal year 2009 in comparison to fiscal year 2008, primarily driven by the unfavorable translation impact associated with the strengthening in the value of the U.S. dollar against the Euro during the first half of fiscal year 2009. This was partially offset by a favorable translation impact associated with the weakening in the value of the U.S. dollar against the Japanese Yen throughout fiscal year 2009.

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A hypothetical 10% appreciation or depreciation in foreign currencies against the U.S. dollar, assuming all other variables are held constant, would result in an increase or decrease in fiscal year 2009 revenue of approximately \$18.3 million.

The Company has operational procedures to mitigate these non-functional currency exposures. The Company also utilizes foreign currency exchange contracts to exchange currencies at set exchange rates on future dates to offset expected gains or losses on specifically identified exposures. See Note 1 to the Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-K.

Gains and losses on foreign currency transactions are included in both Revenue and Other Income (Expense), net in the accompanying Consolidated Statements of Income, was a net loss of \$1.6 million in fiscal year 2009, a net gain of \$0.6 million in fiscal year 2008, and a net loss of \$0.6 million in fiscal year 2007. Mark-to-market gains and losses on derivatives designated as cash flow hedges in the Company's currency hedging program, as well as on the translation of non-current assets and liabilities, are recorded within Accumulated Other Comprehensive Income in the Consolidated Balance Sheet. The Company recognizes gains and losses on fair value and cash flow hedges at the time a gain or loss is recognized on the hedged exposure in the Consolidated Statement of Income, or at the time the cash flow hedge is determined to be ineffective. The associated mark-to-market gains and losses are reclassified from Accumulated Other Comprehensive Income to the same line item in the Consolidated Statements of Income that the underlying hedged transaction is reported.

Interest Rates

The Company is also directly exposed to changes in market interest rates on cash, cash equivalents, short-term investments, and debt and is indirectly exposed to the impact of market interest rates on overall business activity.

On floating-rate investments, increases and decreases in market interest rates will increase or decrease future interest income, respectively. On floating-rate debt, increases or decreases in market interest rates will increase or decrease future interest expense, respectively. On fixed-rate investments, increases or decreases in market interest rates do not impact future interest income but may decrease or increase the fair market value of the investments, respectively.

At October 3, 2009, the Company had cash and cash equivalents of \$118.9 million. Most of this balance was invested in interest-bearing bank deposits or money market funds, with interest rates re-set every 1-89 days. A hypothetical increase or decrease of 1% in market interest rates, assuming all other variables were held constant, would increase or decrease interest income by approximately \$1.1 million on an annualized basis.

The Company's short-term borrowings outstanding at the end of fiscal year 2009 consisted of \$40.0 million utilization of the revolving credit facility and \$0.2 million in non-interest bearing notes payable to vendors. This utilization of the credit facility involves interest payments calculated at a floating rate. In order to mitigate the Company's exposure to interest rate increases, the Company has entered into floating to fixed rate interest swap agreements. The notes payable to vendors are non-interest bearing and, therefore, are not impacted by the effect of increases or decreases in market interest rates.

A discount rate of 5.5% and an expected rate increase in future compensation levels of 3.0% was used in the calculation of the pension liability related to the non-contributory, defined benefit pension plan of one of the Company's international subsidiaries. In addition, a 5.9% expected rate of return was used in the calculation of the plan assets associated with this defined benefit pension plan.

Item 8. Financial Statements and Supplementary Data

The Company's audited financial statements and notes thereto described in Item 15(1) of this Annual Report on Form 10-K, and appearing on pages F-1 through F-40 of this report, are incorporated by reference herein. See also "Quarterly Financial Data" in Management's Discussion and Analysis under Item 7 of this Annual Report on Form 10-K, which is incorporated herein by reference.

Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

The Company's management, including the Chief Executive Officer and Chief Financial Officer, have conducted an evaluation of the effectiveness of the design and operation of the Company's disclosure controls and procedures (as defined under Rules 13a-15(e) and 15d-15(e) promulgated under the Securities Exchange Act of 1934 (the "1934 Act")) as of October 3, 2009. Based on that evaluation, the Company's Chief Executive Officer and Chief Financial Officer concluded that the Company's disclosure controls and procedures are effective in ensuring that information required to be disclosed by the Company in the reports it files or submits under the 1934 Act is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms, and that such information required to be disclosed by the Company in the reports that it files or submits under the 1934 Act is accumulated and communicated to the Company's management, including its Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

There have been no changes in internal control over financial reporting during the fiscal quarter ended October 3, 2009 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Rule 13a-15(f) under the Exchange Act. The Company's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements. Under the supervision and with the participation of management, including its Chief Executive Officer and Chief Financial Officer, the Company conducted an evaluation of the effectiveness of internal controls over financial reporting as of October 3, 2009. In making this assessment, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission in *Internal Control - Integrated Framework*. Based on management's assessment using this framework, management concluded that the Company's internal control over financial reporting is effective as of October 3, 2009.

KPMG LLP, an independent registered public accounting firm, has audited the consolidated financial statements included in this Annual Report on Form 10-K and, as part of this audit, has issued their report, included in Item 8, on the effectiveness of the Company's internal control over financial reporting.

Item 9B. Other Information

None.

PART III

Item 10. Directors and Executive Officers of Registrant

The required information with respect to the directors of the Company, the Company's Code of Business Conduct, compliance with Section 16(a) of the Securities Exchange Act of 1934, and the Company's Audit Committee, including the Audit Committee financial experts, is incorporated herein by reference to the information set forth under the headings "Election of Directors" and "Other Information" in the Company's Proxy Statement for the Annual Meeting of Shareholders scheduled to be held on February 10, 2010. Information regarding the Company's executive officers is contained under Item 1 of Part I of this Annual Report on Form 10-K.

Item 11. Executive Compensation

The information required by this Item is incorporated herein by reference to the information set forth under headings "Executive Compensation" and "Election of Directors - Independent Directors Compensation" in the Company's Proxy Statement for the Annual Meeting of Shareholders scheduled to be held on February 10, 2010.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

Equity Compensation Plan Information:

The following table sets forth the aggregate information regarding grants under all equity compensation plans as of October 3, 2009:

Plan Category	Number of Securities to be Issued Upon Exercise of Outstanding Options, Warrants and Rights (in thousands) (a)	Weighted- Average Exercise Price of Outstanding Warrants and Rights (b)	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (Excluding Securities Reflected in Column (a)) ⁽¹⁾ (in thousands) (c)
Equity compensation plans approved by security holders	1,566	\$ 33.88	1,437
Equity compensation plans not approved by security holders			
Total	1,566	\$ 33.88	1,437

(1) Includes 478 shares available for issuance under the 2002 Employee Stock Purchase Plan as of October 3, 2009.

Certain other information required by this Item is incorporated herein by reference to the information set forth under the heading "Other Information - Security Ownership of Principal Shareholders and Management" in the Company's Proxy Statement for the Annual Meeting of Shareholders scheduled to be held on February 10, 2010.

Item 13. Certain Relationships and Related Transactions, and Directors Independence

The information required by this Item is incorporated herein by reference to the information set forth under headings "Election of Directors" and "Other Information - Related Party Transactions" in the Company's Proxy Statement for the Annual Meeting of Shareholders scheduled to be held February 10, 2010.

Item 14. Principal Accountant Fees and Services

The information required by this Item is incorporated by reference to the information set forth under the heading "Ratification of Appointment of Independent Registered Public Accounting Firm" in the Company's Proxy Statement for the Annual Meeting of Shareholders scheduled to be held on February 10, 2010.

PART IV

Item 15. Exhibits and Financial Statement Schedules

The following documents are filed as part of this report:

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(1) Consolidated Financial Statements:

Report of Independent Registered Public Accounting Firm

Consolidated Balance Sheets October 3, 2009 and September 27, 2008

Consolidated Statements of Income for the Years Ended October 3, 2009, September 27, 2008 and September 29, 2007

Consolidated Statements of Shareholders Investment for the Years Ended October 3, 2009, September 27, 2008 and September 29, 2007

Consolidated Statements of Cash Flows for the Years Ended October 3, 2009, September 27, 2008 and September 29, 2007

Notes to Consolidated Financial Statements

(2) Financial Statement Schedules:

See accompanying Index to Financial Statements on page F-1.

(3) Exhibits:

Exhibit Number	Description
3.a	Restated and Amended Articles of Incorporation, incorporated herein by reference from Exhibit 3.a of the Company's Form 10-K for the fiscal year ended September 30, 1996.
3.b	Amended and Restated Bylaws, incorporated herein by reference to Exhibit 3.1 of the Company's Form 8-K Current Report filed on December 1, 2009.
10.a	Executive Variable Compensation Plan, incorporated herein by reference to Exhibit 99.1 of the Company's Form 8-K Current Report filed on November 30, 2004.
10.b	1994 Stock Option Plan, as amended, incorporated herein by reference to Exhibit 10.e of the Company's Form 10-K filed for the fiscal year ended September 30, 1996.
10.c	1997 Stock Option Plan, as amended, incorporated herein by reference to Exhibit 10.p of the Company's Form 10-K filed for the fiscal year ended September 30, 1996 and Exhibit 10.p of the Company's Form 10-K filed for the fiscal year ended September 30, 1999.
10.d	2002 Employee Stock Purchase Plan, as amended, incorporated herein by reference to Exhibit 10.d of the Company's Form 10-K filed for the fiscal year ended October 1, 2005.
10.e	2006 Stock Incentive Plan, incorporated herein by reference to Exhibit 99.1 of the Company's Form 8-K Current Report filed on February 7, 2006.
10.f	Form of Notice of Grant of Restricted Stock (Director) under 2006 Stock Incentive Plan, incorporated herein by reference to Exhibit 99.2 of the Company's Form 8-K Current Report filed on February 7, 2006.
10.g	Uniform Terms and Conditions to Restricted Stock Awards (Director) under 2006 Stock Incentive Plan, incorporated herein by reference to Exhibit 99.3 of Company's Form 8-K Current Report filed on February 7, 2006.

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- 10.h Description of the terms of employment of Susan E. Knight, pursuant to an offer letter, incorporated by reference to Exhibit 10.r of the Company's Form 10-Q/A for the fiscal quarter ended December 31, 2001.
- 10.i Letter dated February 6, 1987 from MTS Sensor Technologie GmbH and Co. KG (formerly, Hellwig GmbH) regarding its pension commitment to Joachim Hellwig, incorporated by reference to Exhibit 10.p of the Company's Form 10-K filed for fiscal year ended October 2, 2004.
- 10.j Employment Contract dated January 1, 1991 between MTS Sensor Technologie GmbH and Co. KG and Joachim Hellwig, incorporated by reference to Exhibit 10.q of the Company's Form 10-K filed for fiscal year ended October 2, 2004.
- 10.k Change in Control Agreement, dated December 31, 2008, between the Company and Laura B. Hamilton (Filed herewith).
- 10.l Form of Indemnification Agreement between the Company and each of its directors and executive officers, incorporated herein by reference to Exhibit 10.1 of the Company's Form 8-K Current Report filed on September 1, 2006.
- 10.m First Amendment to the Company's 2006 Stock Incentive Plan, First Amendment to the Company's Executive Variable Compensation Plan, amendments to the Company's Executive Deferred Compensation Plan (2005), and amendments to the Company's form of change in control agreements, incorporated herein by reference to Exhibits 10.1, 10.2, 10.3 and 10.4 of the Company's Form 8-K Current Report filed on October 27, 2008.
- 10.n Master Asset Purchase Agreement dated April 28, 2008, between the Company and the SANS Group, incorporated herein by reference to Exhibit 2.1 of the Company's Form 8-K Current Report filed October 2, 2008.
- 10.o Credit Agreement dated December 18, 2007, among the Company, Wells Fargo Bank, National Association, Fifth Third Bank, The Bank of Tokyo Mitsubishi UFJ, Ltd., U.S. Bank National Association, JPMorgan Chase Bank, N.A. and J.P. Morgan Securities Inc., incorporated herein by reference to Exhibit 10.1 of the Company's Form 8-K Current Report filed December 21, 2007.
- 10.p Change in Control Agreement, dated December 31, 2008, between the Company and Susan E. Knight (Filed herewith).
- 10.q Change in Control Agreement, dated December 31, 2008, between the Company and Kathleen M. Staby (Filed herewith).
- 10.r Severance Agreement, dated March 30, 2009, between the Company and Alfred Richter (Filed herewith).
- 10.s Change in Control Agreement, dated March 30, 2009, between the Company and Alfred Richter (Filed herewith).
- 10.t Form of Notice of Grant of Restricted Stock Units under 2006 Stock Incentive Plan, incorporated herein by reference to Exhibit 10.1 of the Company's Form 8-K Current Report filed on June 29, 2009.

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- 10.u Uniform Terms and Conditions to Restricted Stock Units under 2006 Stock Incentive Plan, incorporated herein by reference to Exhibit 10.2 of Company's Form 8-K Current Report filed on June 29, 2009.
- 10.v Form of Notice of Grant of Restricted Stock (Employee) under 2006 Stock Incentive Plan (Filed herewith).

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- 10.w Uniform Terms and Conditions to Restricted Stock Awards (Employee) under 2006 Stock Incentive Plan (Filed herewith).
- 21. Subsidiaries of the Company (Filed herewith).
- 23. Consent of Independent Registered Public Accounting Firm (Filed herewith).
- 31.1 Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (Filed herewith).
- 31.2 Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (Filed herewith).
- 32.1 Certification of the Chief Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (Filed herewith).
- 32.2 Certification of the Chief Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (Filed herewith).

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SIGNATURES

Pursuant to the requirement of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

MTS SYSTEMS CORPORATION

By: /s/ LAURA B. HAMILTON
Laura B. Hamilton
Chair and Chief Executive Officer

Date: December 1, 2009

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the date indicated:

Signatures	Title	Date
/s/ LAURA B. HAMILTON Laura B. Hamilton	Chair and Chief Executive Officer	December 1, 2009
/s/ SUSAN E. KNIGHT Susan E. Knight	Chief Financial Officer and Vice President	December 1, 2009
/s/ DAVID J. ANDERSON David J. Anderson	Director	December 1, 2009
/s/ JEAN-LOU CHAMEAU Jean-Lou Chameau	Director	December 1, 2009
/s/ MERLIN E. DEWING Merlin E. Dewing	Director	December 1, 2009
/s/ BRENDAN C. HEGARTY Brendan C. Hegarty	Director	December 1, 2009

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/s/ LOIS M. MARTIN Lois M. Martin	Director	December 1, 2009
/s/ BARB J. SAMARDZICH Barb J. Samardzich	Director	December 1, 2009
/s/ GAIL P. STEINEL Gail P. Steinel	Director	December 1, 2009

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MTS Systems Corporation and Subsidiaries

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Report of Independent Registered Public Accounting Firm

The Board of Directors and Shareholders MTS Systems Corporation:

We have audited the accompanying consolidated balance sheets of MTS Systems Corporation and subsidiaries as of October 3, 2009 and September 27, 2008, and the related consolidated statements of income, shareholders' investment and comprehensive income, and cash flows for each of the years in the three-year period ended October 3, 2009. In connection with our audits of the consolidated financial statements, we also

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have audited financial statement schedule II. We also have audited MTS Systems Corporation's internal control over financial reporting as of October 3, 2009, based on criteria established in *Internal Control - Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). MTS Systems Corporation and subsidiaries' management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Report on Internal Control Over Financial Reporting appearing under Item 9A of this Form 10-K. Our responsibility is to express an opinion on these consolidated financial statements and an opinion on the Company's internal control over financial reporting based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the consolidated financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of MTS Systems Corporation and subsidiaries as of October 3, 2009 and September 27, 2008, and the results of its operations and its cash flows for each of the years in the three-year period ended October 3, 2009, in conformity with U.S. generally accepted accounting principles. Also in our opinion, the related financial statement schedule II, when considered in relation to the basic consolidated financial statements taken as a whole, presents fairly, in all material respects, the information set forth therein. Also in our opinion, MTS Systems Corporation and subsidiaries maintained, in all material respects, effective internal control over financial reporting as of October 3, 2009, based on criteria established in *Internal Control - Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission.

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As disclosed in Note 8 to the consolidated financial statements, the Company adopted FASB Interpretation No. 48, *Accounting for Uncertainty in Income Taxes* an Interpretation of FASB Statement No. 109 as of September 30, 2007.

/s/ KPMG LLP

Minneapolis, Minnesota
December 1, 2009

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Consolidated Balance Sheets

(October 3 and September 27, respectively)

Assets

2009

2008

(expressed in thousands)

Current Assets: