

SPECTRUM CONTROL INC  
Form 10-K  
February 13, 2008  
Table of Contents

## Securities and Exchange Commission

Washington, D.C. 20549

### Form 10-K

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

For the fiscal year ended November 30, 2007

OR

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

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File Number 0-8796

## Spectrum Control, Inc.

(a Pennsylvania Corporation)

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(I.R.S. Employer Identification No. 25-1196447)

8031 Avonia Road, Fairview, Pennsylvania 16415

Telephone 814-474-2207

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

None

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

<b>Title of each class</b>	<b>Name of each exchange on which registered</b>
Common Stock - No Par Value	The Nasdaq Stock Market

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in 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, and (2) has been subject to such filing requirements for the past 90 days. Yes  No .

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the 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, or a non-accelerated filer. See definition of accelerated filer and large accelerated filer in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer

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

At May 31, 2007, the aggregate market value of voting Common Stock held by non-affiliates of the registrant based on a closing price of \$14.44 was \$176,134,947. Shares of Common Stock held by each officer and director and by each person who owns 10% or more of the outstanding Common Stock of the Company have been excluded because such persons may be deemed to be affiliates.

As of January 31, 2008, the registrant had outstanding 13,265,576 shares of Common Stock, no par value.

**Documents incorporated by reference**

Portions of the registrant's Proxy Statement for the annual meeting of shareholders to be held April 7, 2008 are incorporated by reference into Part III of this Form 10-K.

**Table of Contents**

**Table of Contents**

	<b>Page</b>
<b><u>PART I</u></b>	
Item 1. <u>Business</u>	3
Item 1A. <u>Risk Factors</u>	18
Item 1B. <u>Unresolved Staff Comments</u>	18
Item 2. <u>Properties</u>	19
Item 3. <u>Legal Proceedings</u>	20
Item 4. <u>Submission of Matters to a Vote of Security Holders</u>	20
<b><u>PART II</u></b>	
Item 5. <u>Market for Registrant's Common Stock, Related Stockholder Matters and Issuer Purchases of Equity Securities</u>	20
Item 6. <u>Selected Financial Data</u>	22
Item 7. <u>Management's Discussion and Analysis of Financial Condition and Results of Operations</u>	23
Item 7A. <u>Quantitative and Qualitative Disclosures About Market Risk</u>	32
Item 8. <u>Financial Statements and Supplementary Data</u>	36
Item 9. <u>Changes in and Disagreements with Accountants on Accounting and Financial Disclosure</u>	65
Item 9A. <u>Controls and Procedures</u>	65
Item 9B. <u>Other Information</u>	66
<b><u>PART III</u></b>	
Item 10. <u>Directors and Executive Officers of the Registrant</u>	66
Item 11. <u>Executive Compensation</u>	67
Item 12. <u>Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters</u>	67
Item 13. <u>Certain Relationships and Related Transactions</u>	67
Item 14. <u>Principal Accountant Fees and Services</u>	67
<b><u>PART IV</u></b>	
Item 15. <u>Exhibits, Financial Statement Schedules, and Reports on Form 8-K</u>	68
<u>Signatures</u>	70
<u>Schedule</u>	71
<u>Exhibits</u>	72

---

**Table of Contents**

**PART I**

**ITEM 1. BUSINESS**

Except for the historical information contained herein, the following discussion contains forward-looking statements that involve risks and uncertainties. The Company intends these forward-looking statements to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. These forward-looking statements include, but are not limited to, descriptions of management's expectations regarding the future markets for the Company's products, future operating performance, and other future plans and objectives. Words such as expect, anticipate, believe, intend, and variations of such words identify forward-looking statements. These forward-looking statements are only predictions and are not guarantees of future performance. Actual results or events may differ materially from historical results or those suggested by these forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those discussed herein under Item 1, Item 1A Risk Factors, as well as Item 7 entitled Management's Discussion and Analysis of Financial Condition and Results of Operations in this report.

**GENERAL**

Spectrum Control, Inc. and its subsidiaries (hereinafter referred to as we, us, our, or the Company) design, manufacture and market a broad line of control products and systems used to condition, regulate, transmit, receive, or govern electronic performance. The Company was founded as a solutions-oriented company, designing and manufacturing products to suppress or eliminate electromagnetic interference (EMI). Over the past several years, we have leveraged our core EMI filtering expertise to offer our customers a diverse line of control products and systems. The Company's current operations are conducted in four reportable segments: signal and power integrity components; microwave components and systems; power management systems; and sensors and controls. The Company's Signal and Power Integrity Components Business designs and manufactures a broad range of products including low pass EMI filters, filter plates, filtered connectors, specialty ceramic capacitors, power entry modules, power line filters, and our motor line feed thru (MLFT) filters. Our Microwave Components and Systems Business designs and manufactures microwave filters, waveguides, amplifiers, frequency mixers, oscillators, synthesizers, multiple channel filter banks, and related products and integrated assemblies. The Power Management Systems Business designs and manufactures breaker and fuse interface panels, custom power outlet strips, and our Smart Start power management systems. Our Sensors and Controls Business designs and manufactures rotary and linear positioning sensors, temperature sensing probes, thermistors, resistance temperature detector sensors, and related assemblies.

The need for EMI products results from the increasing dependency of our society on electronic equipment of various kinds, including wireless communication systems. This equipment both emits, and is sensitive to, random electromagnetic waves over a broad spectrum of wave lengths, which can interfere with and degrade the performance of other electronic equipment. The Company's EMI products are designed to suppress the emission of unwanted waves or to reduce their strength to an innocuous level, by reflecting them from one component to another in series or by converting their energy into heat which is then dissipated.

Spectrum Control, Inc. (the Parent company) was incorporated in Pennsylvania in 1968. The Parent company currently operates manufacturing facilities in Fairview, Pennsylvania; State College, Pennsylvania; and Wesson, Mississippi. Operations in Fairview include the design and manufacture of certain signal and power integrity products used primarily in military and defense applications. In State College, the Parent company's operations include the design and manufacture of power management systems. Operations in Wesson principally consist of metal fabrication manufacturing in support of our power integrity and power management systems product offerings. The Parent company's executive offices are located in Fairview, Pennsylvania.

Spectrum Control Technology, Inc. (Spec Tech) is a wholly-owned subsidiary of the Parent company. Historically, Spec Tech operated a facility in New Orleans, Louisiana, with advanced manufacturing equipment used in the production of ceramic capacitors, resonators, patch antennas, and specialty ceramic products. As part of the New Orleans operation, Spec Tech manufactured substantially all of the ceramic discoidal and tubular capacitors used in the Company's EMI filter products. In late August of 2005, the New Orleans facility was virtually destroyed by Hurricane Katrina. To address our ongoing ceramic component needs and re-establish our own ceramic manufacturing capabilities, we acquired in December 2005 a ceramic manufacturing facility in State College, Pennsylvania. The acquired facility has become the design and manufacturing center for our ceramic products, replacing the operations previously conducted in New Orleans.

Other wholly-owned operating subsidiaries of the Parent company include: Spectrum Microwave, Inc.; Spectrum SEI Microwave, Inc.; Spectrum FSY Microwave, Inc.; Spectrum Sensors and Controls, Inc. (CA Corp); Spectrum Sensors and Controls, Inc. (PA Corp.); Spectrum Control, GmbH; Spectrum Control de Mexico; and Spectrum Control (Hong Kong) Limited.



## **Table of Contents**

Spectrum Microwave, Inc. ( Spec Microwave ), designs and manufactures various radio frequency ( RF ) and microwave products. These high-end components and integrated assemblies include amplifiers, frequency mixers, and various types of oscillators (voltage control, dielectric resonator, and digitally tuned). Currently, Spec Microwave operates facilities in Philadelphia, Pennsylvania; Palm Bay, Florida; as well as a portion of our recently acquired facility in State College, Pennsylvania.

Spectrum SEI Microwave, Inc. ( SEI ), located in Delmar, Delaware, designs and manufactures RF and microwave components and integrated assemblies. SEI s products include complex systems such as microwave synthesizers, multiple channel filter banks and preselectors.

Spectrum FSY Microwave, Inc., located in Columbia, Maryland, designs and manufactures certain RF and microwave filters, and related products and systems.

Spectrum Sensors and Controls, Inc. (CA Corp.), located in Grass Valley, California, designs and manufactures precision co-molded conductive position sensors and related assemblies.

Spectrum Sensors and Controls, Inc. (PA Corp.), was formerly known as Advanced Thermal Products, Inc. ( ATP ). In 2006, we acquired all of the outstanding stock of ATP and, concurrent with the acquisition, changed its corporation name. The company designs and manufactures a broad line of custom temperature sensors including temperature sensing probes and assemblies, positive and negative temperature coefficient thermistors, and resistance temperature detector sensors and related assemblies.

Spectrum Control, GmbH, located in Schwabach, Germany, acts as a distributor for the Company s products in the European market.

Spectrum Control de Mexico, located in Juarez, Mexico, commenced operations in June 2000 as the Company s low-cost manufacturing center for North America. Currently, this subsidiary manufactures various signal and power integrity components, microwave components and systems, and certain sensor products, for use in numerous commercial applications.

Spectrum Control (Hong Kong) Limited ( Spec HK ), currently operates as a logistics center for our sales in Asia.

Spectrum Control Electronics (Dongguan) Co. Ltd. ( Spec China ), a wholly-owned subsidiary of Spec HK, located in Qiao Tou Town, China, commenced operations in 2003 as the Company s low-cost manufacturing center for Asia. Currently, Spec China primarily manufactures certain signal and power integrity products, and power management systems, for our China telecom equipment customers.

## **RECENT DEVELOPMENTS**

### **ACQUISITION**

On January 26, 2007, we acquired substantially all of the assets and assumed certain liabilities of EMF Systems, Inc. ( EMF ). EMF, based in State College, Pennsylvania, designs and manufactures custom oscillator-based products. In addition to a broad line of oscillator components, EMF primarily designs and manufactures integrated microwave assemblies ( IMA ), including synthesizers and phase-locked oscillators. These IMA products are used in numerous military and commercial applications such as military radar systems, secure communications, and commercial weather radar. We believe that the IMA product offerings and oscillator components included with this acquisition are a natural complement and extension to our existing Microwave Components and Systems business segment. We also believe that our vertical manufacturing processes, low-cost manufacturing capabilities, and established military sales channels will provide additional revenue opportunities and improved profitability for EMF products. The aggregate cash purchase price for EMF was \$2.4 million.

The aggregate cash purchase price was primarily funded by existing cash reserves. The results of operations of the acquired business have been included in our financial statements since the acquisition date. Accordingly, EMF net sales of \$3.2 million have been included in our consolidated net sales for the year ended November 30, 2007, with EMF activities reported within our Microwave Components and Systems business for operating segment purposes.

### **ASSET IMPAIRMENT LOSS**

On August 30, 2005, Hurricane Katrina, (the Hurricane ) hit the gulf coast of the United States. The Hurricane and related flooding virtually destroyed our 100,000 square foot ceramic manufacturing facility in New Orleans, Louisiana. As a result, we recorded net asset impairment losses and related expenses of \$274,000 in the year ended November 30, 2005. This amount, which was included in our general and administrative expense in fiscal 2005, consisted of the following: inventory losses of \$1.0 million; building and equipment losses of \$3.6 million

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including the reduction of the affected land and building to its estimated fair value of \$450,000; direct clean-up, asset assessment, and repair costs of \$1.7 million; less expected insurance proceeds of \$6.0 million.

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## **Table of Contents**

In March 2006, we sold the land and building in New Orleans at a net selling price of \$246,000. As a result, we recorded an additional asset impairment loss of \$204,000, representing the difference between the net selling price and the property's previously estimated fair value of \$450,000. In 2006, we also incurred final clean-up and asset assessment costs of \$183,000. Accordingly, an asset impairment loss in the aggregate amount of \$387,000 has been included in general and administrative expense in our statement of income for the year ended November 30, 2006.

As of November 30, 2006, we had received \$4.5 million of insurance proceeds for our Hurricane-related claims, and we had recorded an insurance recovery receivable of \$1.5 million for expected additional insurance proceeds. In January 2007, we received insurance proceeds of \$1.748 million upon the final settlement of all related claims. Accordingly, \$248,000 was credited against our general and administrative expense in the year ended November 30, 2007, representing the excess of the final insurance proceeds received over the previously recorded insurance recovery receivable.

## **MARKETS**

Although our components and systems are used in many industries worldwide, our largest markets are communications equipment and military/defense which collectively represented approximately 68% of our fiscal year 2007 sales. In communications, our products are used in numerous systems including wireless base stations and towers, broadband switching equipment, global positioning systems, Wi-Fi, optical networks, and Internet servers. Military/defense applications for our products include secure communications, smart weapons and munitions, countermeasures for improvised explosive devices, radar systems, military vehicles, aircraft, missile defense systems, and simulation equipment. Other significant markets for our products include medical equipment, industrial instrumentation, and commercial aerospace. Automotive represents an emerging market for our products, with significant applications in DC motors, telematics, and electronic safety controls.

## **COMMUNICATIONS EQUIPMENT**

Several years ago, the communications equipment industry experienced a severe slowdown. Recently, market conditions in the industry have remained unpredictable and somewhat volatile. Beyond the current economic uncertainty in the communications equipment market, we believe the factors fostering long-term market growth remain in place. Prior to 2001, the communications industry experienced significant worldwide growth. This growth primarily resulted from increased business and consumer demand for wireless communication services and Internet access. Cost reductions and performance improvements in such wireless communication products as cellular, personal communication services ( PCS ), and satellite-based voice and data systems also contributed to this growth. As demand for wireless communication services continues to grow, and industry-wide excess inventory levels are consumed, service providers will need to make substantial investments in new equipment and infrastructure. Wireless communication systems can offer the functional advantages of wired communication systems without the costly and time-consuming development of an extensive wired infrastructure. The relative advantages of wireless and wired communication systems with respect to cost, transmission quality, reliability and other factors depend on the specific applications for which such systems are used and the existence of a wired or wireless infrastructure already in place. The factors responsible for the market's long-term growth, coupled with regulatory changes in the United States and abroad as well as advances in wireless communication technology, have led to significant growth in existing wireless telecommunication systems and the emergence of new wireless applications.

The products designed and manufactured by the Company support a wide range of digital wireless communication protocols, systems and standards including PCS, Code Division Multiple Access ( CDMA ), Global System for Mobile Communications ( GSM ), Enhanced Data Rates for GSM Evolution ( EDGE ), Local Multipoint Distribution System ( LMDS ), Multi-Channel Multipoint Distribution System ( MMDS ), Third Generation Wireless ( 3G , 3.5G , and 3.9G ), Bluetooth, and Voice over Internet ( VoIP ).

Worldwide demand for integrated voice, data and video communication services is also growing rapidly. The volume of high-speed data traffic across global communications networks has grown dramatically as the public Internet and private business intranets have become essential for daily communications and electronic commerce. The number of persons using the Internet to buy and sell goods and services continues to grow rapidly. Servicing the increasing demand for higher bandwidth content and applications requires cost-effective and high-speed connections, which are often unavailable or inadequate over existing wire-based networks. For many users, wireless communications provide an advantageous access solution for high-speed Internet multimedia services. This is underscored by the increasing number of wireless subscribers worldwide.



## **Table of Contents**

A typical mobile or fixed wireless communications system comprises a geographic region containing a number of cells, each of which contains one or more base stations, which are linked in a network to form a service provider's coverage area. Each base station houses the equipment that receives incoming telephone calls from the switching offices of the local wire-based telephone company and broadcasts calls to the wireless users within the cell. A base station can process a fixed number of radio channels through the use of multiple transceivers, power amplifiers and tunable filters, along with an antenna to transmit and receive signals to and from the wireless user. The Company provides discrete EMI filters, filtered arrays, filtered connectors, power integrity products, low phase noise amplifiers, and power management systems to original equipment manufacturers (OEMs) of base station equipment. In addition, the Company's products are used in numerous other telecommunication applications including optical networks and switching equipment, wireless modems and local area networks (LANs), Internet servers and global positioning systems. Using our solutions-oriented approach, we provide our OEM customers with products tailored to their specific transmission needs, anticipating and solving system architecture and performance.

Worldwide Interoperability for Microwave Access (WiMAX) is a technology aimed at providing wireless data over long distances in a variety of ways, from point-to-point links to full mobile cellular-type access. There is currently increasing amounts of development activity in the industry aimed at this emerging technology. The Company has and continues to develop infrastructure-related products for this application.

Approximately 20% of the Company's total revenue during fiscal year 2007 was derived from sales of its products to OEM customers in the communications equipment industry. Most of these products are custom designed not only to conform to the specifications and requirements of the particular customer, but also to meet the performance and quality standards set by the agency or other governmental body whose regulations are applicable to the specific equipment or usage involved. A significant reduction in orders from such customers would have a materially adverse effect on the Company's business.

## **MILITARY/DEFENSE**

Military forces worldwide are dependent on sophisticated electronic equipment. Military aircraft and naval vessels generally contain extensive communication equipment, electronic countermeasure equipment for defense against enemy weapons, smart weapons and munitions (such as AMRAAM and JDAM), and radar systems. The Company provides low pass filters, multisection assemblies, custom position sensors, and various microwave components and subsystems to major equipment manufacturers for installation into these systems. The Company's customers, in turn, sell their equipment to major defense manufacturers or directly to governments.

Military/defense sales were approximately \$65.5 million in 2007 or 48% of our sales, compared to \$59.1 million in 2006 or 47% of total sales. Demand for military/defense products may be impacted by numerous economic, technological and political factors. Accordingly, while the Company has developed and will continue to develop products for military/defense programs, there can be no assurance that sales to such customers will not decrease in the future.

## **OUR SOLUTION**

We believe we are well positioned to capitalize on our long-term market opportunities. We combine engineering expertise, design and testing capabilities and vertically integrated and flexible manufacturing processes to provide custom solutions to our customers' control products and systems needs.

*We Offer Integrated Design, Development and Testing Services.* We provide an integrated approach to problem solving by offering our customers consulting, diagnostic testing and design services. We believe that our testing facilities and capabilities exceed those of our major competitors and, accordingly, may give us a competitive advantage. Our engineers typically work closely with customers to develop a product or system design. Although our customers generally provide the initial engineering guidelines for a particular product, our design engineers are often called upon to work together with a customer's design team to develop a solution. An important part of our solution is ensuring at an early stage, before time and money are spent on manufacturing, that the product design will meet all performance specifications and can be produced efficiently and cost-effectively. Our design engineers include EMI, power, microwave, and sensor specialists. We believe that by integrating our product design and development efforts with those of our customers, we create increased reliance on us and increased incentives to utilize us as a single source strategic supplier.

**Table of Contents**

*We Offer Flexible, Low-Cost Production Capabilities.* Once a design is completed, we apply our vertically integrated manufacturing processes to produce a solution that meets our customers' functionality and cost objectives. We currently maintain a state-of-the-art ceramic production facility in State College, Pennsylvania, with advanced manufacturing equipment primarily designed for the production of specialty ceramic capacitors. These ceramic products are critical components of our signal integrity products. Our State College facility, along with our extensive ceramic expertise, enables us to maintain short lead times for our signal product prototyping and production orders. We also maintain a metal fabrication facility with computer numerically controlled ( CNC ) equipment to manufacture the metal utilized in many of our power integrity and power management systems product offerings. By performing the metal fabrication in-house, we are able to shorten the lead time for these product offerings and reduce our overall material costs. Our philosophy of vertical integration, along with utilizing demand flow manufacturing processes, enables us to meet the growing OEM customer demands for flexible production schedules and just-in-time inventories.

*We Offer High Quality, High Performance Products.* Our customers demand a high level of quality and performance. We believe we meet our customers' requirements for high quality products manufactured to increasingly exacting specifications, including performance and quality standards that are set by agencies and other governmental bodies whose regulations may apply to specific telecommunications or other equipment. We emphasize a quality culture, driving continuous product improvement and a company-wide commitment to quality. As part of our commitment to high quality manufacturing, all of our domestic and foreign manufacturing facilities have achieved and maintain ISO 9001 certification, and we have been approved by defense customers under the requirements of the U.S. military quality system. Most of our manufacturing facilities also have achieved and maintain the automotive industry quality standard of QS 9000.

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## Table of Contents

### OUR STRATEGY

Our goal is to increase sales and profits by expanding in our existing markets and by entering new markets where we can apply our design and manufacturing capabilities. Key elements of our strategy for achieving this goal include:

*Leveraging Our Status as a Strategic Supplier to our OEM Customers.* Our status as a strategic supplier to many of our OEM customers presents us with opportunities to develop and design new products for these customers on a collaborative, solutions-oriented basis giving us an advantage over our competitors. We use our position as a strategic supplier to these OEM customers to accelerate the introduction of new, more complex electronic control products and systems at higher profit margins. We seek to solidify our status as a strategic supplier to our OEM customers by continuing to provide:

High levels of service;

Extensive product lines;

Custom and collaborative product design and manufacturing capabilities;

Product delivery flexibility and reliability; and

High quality products

*Introducing New Signal and Power Integrity Product Lines.* We are broadening our product lines to include a more comprehensive range of signal and power integrity products. For example, our product development efforts recently enabled us to introduce a complete line of surface mount filter solutions for addressing EMI at the printed circuit board ( PCB ) level. This new line of surface mount inductors, low pass filters, high frequency filters, and power EMI filters is designed to offer high performance EMI filtering in a minimal PCB footprint. These new products are ideal for applications where smaller size is critical, including certain digital equipment, wireless base stations, modems, digital subscriber line ( DSL ) equipment, global positioning systems ( GPS ), and LAN networking equipment. Other recently developed products include circular connectors (used in numerous military/defense applications) and antenna assemblies. On an ongoing basis, our primary focus is on new higher-margin products to exploit the long-term expected growth in wireless devices, optical networks, medical equipment, and defense applications. Our customers increasingly look for greater capability to produce value-added systems integrating our existing signal and power integrity products. To respond to our customers' needs, we intend increasingly to design and manufacture more sophisticated electronic control systems and assemblies.

*Expanding in Markets for Higher Margin Power Management Systems.* We continue to develop and expand our advanced systems product offerings to leverage our core competencies in design, manufacturing and assembly to become a diversified provider of higher margin power management systems. We have successfully introduced our SMART start and SMART start Jr. products. These multifunctional units direct and manage power to connected servers and networking equipment, while providing remote operational flexibility and control. More recently, we have expanded our product offerings to include a broad line of AC configured power distribution units (metered and non-metered). We intend to develop and introduce additional higher-margin advanced product offerings in the future.

*Pursuing Acquisitions that Enhance Our Product Offerings.* We continue to pursue acquisitions complementary to our core businesses. In addition to our recent acquisitions of EMF and ATP, we acquired JDK Controls, Inc. ( JDK ) in October 2005. With the acquisition of JDK, we expanded our product offerings to include position sensor and control products, including various potentiometers. Potentiometers (electro-mechanical control devices, converting rotary or linear motion) and other custom position sensors represent an entirely new product area for us with expanded market opportunities. With ATP's temperature sensing products added to JDK's custom precision sensors, we have established Sensors and Controls as the fourth major business segment for our Company. In recent years, we have also made several acquisitions which have significantly expanded our microwave product offerings and capabilities. With these acquisitions, we can now offer our customers a much broader line of microwave products and custom engineered wireless solutions. Microwave products represent a significant growth opportunity for us, with a total world market much larger than our traditional EMI filter market.

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With OEM s increasingly demanding higher levels of service and lower overall product costs from their electronic component and systems suppliers, we believe that additional acquisition opportunities will emerge as smaller suppliers with insufficient technical and design expertise and limited access to capital choose to sell to larger organizations with greater technical and financial resources. We also expect to see acquisition opportunities from large manufacturers as they seek to focus their product offerings on those fully utilizing their core competencies.

## **Table of Contents**

*Remaining a Low-Cost, Efficient Producer.* Our customers are under worldwide competitive pressure to reduce their product costs and these pressures are passed along to component and systems manufacturers. We are constantly seeking to reduce our material and labor costs, develop cost-efficient manufacturing equipment and processes, and design our manufacturing plants for efficient production. We have been able to reduce the manufacturing cost for many of our products by increasing materials efficiency, improving production yields, and utilizing in-house metal fabrication capabilities. In addition, we have taken steps to reduce assembly direct labor costs by locating plants in areas with relatively low-cost labor, such as Juarez, Mexico and Qiao Tou Town, China (located in the Guangdong province of southern China). In addition to supplying product to our telecom customers in China, we expect our China manufacturing operation to ultimately enable us to participate in new Asian markets and become a low-cost center capable of competing in highly cost competitive industries, such as automotive.

## **PRODUCTS**

The Company's product offerings include various signal and power integrity components, microwave components and systems, power management systems, and sensors and controls.

### **SIGNAL INTEGRITY COMPONENTS**

Control of unwanted electromagnetic waves is accomplished through various combinations of EMI suppression devices. The EMI suppression devices produced by the Company include those that are utilized as circuit components and whose function is to permit the desired frequencies to pass through a circuit while rejecting or preventing the unwanted signals. The majority of these products are composed of either reactive (reflecting energy) or loss (dissipating energy) elements or at times, combinations of the two. These products can be utilized as individual components or combined in various configurations to provide the amount of EMI control needed. Currently, the Company's primary signal integrity product offerings include low pass EMI filters, filtered arrays, filtered connectors, and specialty ceramic products.

#### *LOW PASS EMI FILTERS*

The Company's low pass EMI filter offerings include hermetically sealed and resin sealed/solder-in filters and capacitors. The Company's hermetically sealed filters are primarily used in military/secure communications, smart weapons and munitions, aerospace, power supplies, signal lines, and certain medical equipment. Resin sealed/solder-in filters are used in a wide range of products including communications equipment, transceivers, and industrial control systems.

#### *FILTERED ARRAYS*

The Company's filtered array products consist of various filter plate assemblies. Filter plates are predominantly utilized in communications equipment including wireless base stations, linear power amplifiers, and wireless microcell repeaters. This product offering often provides an economical method of meeting electromagnetic compatibility (EMC) requirements.

#### *FILTERED CONNECTORS*

The Company offers a range of custom connectors, datacomm interconnects, and D-Subminiature Connectors. These filtered connectors are used in numerous applications including communications equipment, wireless base stations, industrial process equipment, and certain personal computers. Additionally, the Company designs and manufactures various circular connectors used in numerous military applications.

#### *SPECIALTY CERAMIC PRODUCTS*

The Company sells a broad range of specialty ceramic products including miniature discoidal capacitors used in medical implantables, and patch antenna elements and assemblies used in global positioning systems.

### **POWER INTEGRITY COMPONENTS**

The Company's power product offerings currently include commercial custom assemblies, multisection filters, power line filters, power entry modules, and power terminal blocks. The Company's multisection products primarily serve the military/defense market with applications in satellite communications, electronic warfare, and ground/air weapons systems. Other power products are principally used in communications equipment, including telecommunication racks, wireless base stations, Internet servers, and networks.

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During the year ended November 30, 2007, approximately 44% of the Company's total revenue was generated from the sale of signal and power integrity components.

## **Table of Contents**

### **MICROWAVE COMPONENTS AND SYSTEMS**

The Company manufactures and sells a wide range of RF and microwave products, including the following:

*RF and Microwave Amplifiers:* These products (which include low phase noise amplifiers, high and low power amplifiers, high reverse isolation amplifiers, and ultra-high linearity amplifiers) are primarily used in wireless base stations and other telecommunications infrastructure equipment.

*RF and Microwave Mixers:* These multioctave, narrowband, and ultra-broadband mixers are predominately used in various broadband telecommunications equipment and CATV.

*Voltage Controlled Oscillators ( VCO ) and Dielectric Resonator Oscillators ( DRO ):* Applications for these VCO, DRO, and frequency control products include weapons guidance systems, communication jamming systems, and other military electronic countermeasures.

*RF and Microwave Filters:* These components (which include bandpass filters, duplexers, lumped element filters, waveguides, and cavity filters) are used in wireless base stations, as well as numerous military, aerospace and medical applications.

*RF and Microwave Systems and Assemblies:* These complex systems, which include multiple channel filter banks and synthesizers, are principally used in radar systems and other military and aerospace applications.

During the year ended November 30, 2007, approximately 35% of the Company's total revenue was generated from the sale of microwave components and systems.

### **POWER MANAGEMENT SYSTEMS**

The Company's advanced systems product offerings currently include power distribution units, fuse and breaker interface panels, and remote power management systems. Our power management systems include a line of digital radio-frequency control equipment designed to monitor various functions and equipment and provide automatic management, as well as remote management, through wireless or external communication links. These remote management systems incorporate highly flexible software that enable our customers to control and monitor their systems from remote locations. The primary markets for these systems include optical equipment, data centers, wireless base stations, IT hubs, and various military applications such as secure communications, simulators and unmanned remote vehicles.

During the year ended November 30, 2007, approximately 6% of the Company's total revenue was generated from the sale of power management systems.

### **SENSORS AND CONTROLS**

With the acquisitions of ATP and JDK, the Company now designs and manufactures a broad range of precision position sensors, transducers, temperature sensors, and thermal products. Our position sensor products include motorized potentiometers, fader and hollow shaft potentiometers, element segments and wiper assemblies. Our advanced thermal products consist of temperature sensing probes and assemblies, resistance temperature detector probes and assemblies, and positive and negative temperature coefficient thermistors. Major applications for our sensors and controls product offerings include military/defense aircraft and vehicles, commercial aerospace, medical equipment, wind instruments, HVAC, industrial automation, and commercial food equipment.

During the year ended November 30, 2007, approximately 15% of the Company's total revenue was generated from the sale of sensors and controls.

### **REPORTABLE OPERATING SEGMENTS**

The Company was founded as a solutions-oriented company, designing and manufacturing products to suppress or eliminate EMI. In recent years, the Company has broadened its focus and product lines to become a control products and systems company, providing a wide range of components and systems used to condition, regulate, transmit, receive, or govern electronic performance.





**Table of Contents**

The Company's current operations are conducted in four reportable segments: signal and power integrity components, microwave components and systems, power management systems, and sensors and controls. The reportable segments are each managed separately because they manufacture and sell distinct products with different production processes.

The Company evaluates performance and allocates resources to its reportable segments based upon numerous factors, including segment income before income taxes. The accounting policies of the reportable segments are the same as those utilized in the preparation of the Company's consolidated financial statements. However, substantially all of the Company's general and administrative expenses, and nonoperating expenses, are not allocated to the Company's reportable operating segments and, accordingly, these expenses are not deducted in arriving at segment income. Segment reportable assets are comprised of certain tangible assets (property, plant, equipment, and inventories) and goodwill.

Prior period amounts in the following tables have been restated to correspond with the current business segment presentation. For each period presented, the accounting policies and procedures used to determine segment income have been consistently applied. For the years ended November 30, 2007, 2006, and 2005, reportable segment information is as follows (in thousands):

	Signal and Power Integrity Components	Microwave Components And Systems	Power Management Systems	Sensors And Controls	Total
<b>2007</b>					
Revenue from unaffiliated customers	\$ 60,713	\$ 47,748	\$ 7,586	\$ 20,492	\$ 136,539
Depreciation and amortization expense	1,924	2,041	205	523	4,693
Segment income	11,314	8,791	1,338	2,815	24,258
Segment assets					
Tangible assets	22,030	16,100	2,903	5,946	46,979
Goodwill	14,243	13,720		7,706	35,669
Capital expenditures	1,999	1,524	372	1,892	5,787
<b>2006</b>					
Revenue from unaffiliated customers	58,472	48,716	6,657	11,827	125,672
Depreciation and amortization expense	1,739	1,709	109	330	3,887
Segment income	3,754	9,511	2,012	1,407	16,684
Segment assets					
Tangible assets	21,986	14,076	1,190	3,921	41,173
Goodwill	14,243	12,559		7,706	34,508
Capital expenditures	6,337	1,189	749	256	8,531
<b>2005</b>					
Revenue from unaffiliated customers	52,236	38,399	7,080	639	98,354
Depreciation and amortization expense	2,415	1,124	167	14	3,720
Segment income	4,290	6,018	2,547	41	12,896
Segment assets					
Tangible assets	14,290	15,527	611	827	31,255
Goodwill	14,243	12,559		1,559	28,361
Capital expenditures	1,753	1,459		69	3,281

**Table of Contents**

For the years ended November 30, 2007, 2006, and 2005, reconciliations of reportable segment information to the Company's consolidated financial statements are as follows (in thousands):

<b>Depreciation and amortization expense</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>
Total depreciation and amortization expense for reportable segments	\$ 4,693	\$ 3,887	\$ 3,720
Unallocated amounts:			
Depreciation and amortization expense related to general and administrative activities	130	224	90
Consolidated depreciation and amortization expense	\$ 4,823	\$ 4,111	\$ 3,810
<b>Income before provision for income taxes</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>
Total income for reportable segments	\$ 24,258	\$ 16,684	\$ 12,896
Unallocated amounts:			
General and administrative expense	(6,394)	(7,370)	(5,762)
Interest expense	(561)	(545)	(110)
Other income	255	270	299
Consolidated income before provision for income taxes	\$ 17,558	\$ 9,039	\$ 7,323
<b>Assets</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>
Total assets for reportable segments	\$ 82,648	\$ 75,681	\$ 59,616
Unallocated amounts:			
Cash and cash equivalents	5,183	3,501	8,386
Accounts receivable	25,461	22,676	16,188
Insurance recovery receivable		1,500	5,000
Other assets	13,627	15,849	8,812
Total consolidated assets	\$ 126,919	\$ 119,207	\$ 98,002
<b>Capital expenditures</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>
Total capital expenditures for reportable segments	\$ 5,787	\$ 8,531	\$ 3,281
Unallocated amounts:			
Capital expenditures related to general and administrative activities	23	23	43
Total consolidated capital expenditures	\$ 5,810	\$ 8,554	\$ 3,324

**Table of Contents**

The Company has operations in the United States, Mexico, Germany and China. Sales are attributed to individual countries based on the location of the customer. The geographic distribution of sales and long-lived assets for 2007, 2006, and 2005 is as follows (in thousands):

	United States	Mexico	Germany	China	All Other Countries	Total
<b>2007</b>						
Revenue from unaffiliated customers	\$ 107,740	\$ 735	\$ 5,726	\$ 5,398	\$ 16,940	\$ 136,539
Long-lived assets:						
Property, plant and equipment	24,607	95	30	1,445		26,177
<b>2006</b>						
Revenue from unaffiliated customers	99,403	1,376	5,327	3,710	15,856	125,672
Long-lived assets:						
Property, plant and equipment	22,682	93	27	1,434		24,236
<b>2005</b>						
Revenue from unaffiliated customers	71,931	1,425	4,678	3,568	16,752	98,354
Long-lived assets:						
Property, plant and equipment	14,507	113	31	833		15,484

The Company expects that international sales will continue to account for a significant portion of its total sales. There can be no assurance, however, that the Company will be able to maintain or increase international demand for the Company's products or that the Company will be able to effectively meet that demand. The Company's international sales are denominated in several different currencies including U.S. Dollars, British Pounds Sterling, and the Euro. An increase in the value of these currencies relative to other foreign currencies could make the Company's products more expensive and, therefore, potentially less competitive in those markets. Additional risks inherent in the Company's international business activities include potentially adverse tax consequences, repatriation of earnings, and the burdens of complying with a variety of foreign laws. There can be no assurance that such factors will not have an adverse effect on the Company's future results of operations.

In 2007, sales to the Company's largest single customer (a distributor of electronic components) represented 5% of the Company's total consolidated net sales. Sales to this major customer principally consisted of signal and power integrity components.

In 2006, sales to the Company's largest single customer (a prime supplier to the military/defense industry) represented 7% of the Company's total consolidated net sales. Sales to this major customer primarily consisted of microwave components and systems.

In 2005, the Company's largest single customer (an original equipment manufacturer of communications equipment) represented 5% of total consolidated net sales. Sales to this major customer primarily consisted of signal and power integrity components.

## **Table of Contents**

### **PRODUCTION**

The Company substantially relies on its internal manufacturing capabilities for production of its control products and systems. At its new facility in State College, Pennsylvania, the Company designs and manufactures various ceramic components including tubular capacitors, discoidal capacitors, and resonators. Tubular and discoidal capacitors are primarily utilized in the manufacture of signal integrity products at the Company's facility in Fairview, Pennsylvania and its low-cost manufacturing center in Juarez, Mexico. Coaxial ceramic dielectric resonators are principally used in the manufacture of bandpass filters and duplexers at the Company's facility in Juarez, Mexico.

The Company designs and manufactures its microwave products in several locations including: Philadelphia and State College, Pennsylvania; Delmar, Delaware; Palm Bay, Florida; and Columbia, Maryland. Manufacturing at these facilities primarily relates to military products and certain low-volume commercial components. Many of the Company's commercial microwave products are manufactured at our facility in Juarez, Mexico. The design and manufacture of most of our sensors and control products occur in Grass Valley, California (position sensors) and St. Marys, Pennsylvania (temperature sensors). Our power management systems are designed in State College, Pennsylvania. Manufacturing of these products for military and defense applications occur in State College, while most commercial applications for these systems are manufactured at our facility in Qiao Tou Town, China. The design of our power integrity components is currently performed at our facility in Fairview, Pennsylvania, with the manufacturing of these products conducted at our facilities in Juarez, Mexico; Wesson, Mississippi; Qiao Tou Town, China; and Fairview, Pennsylvania. Although the Company produces a standardized line of products for sale from inventory or through distributors, most orders require relatively short production runs of custom designed components.

The Company purchases brass bushings, castings, miniature metal stampings, as well as other hardware used in the assembly and production of its products. These items are available from numerous sources. The principal raw materials used by the Company in the manufacture of ceramic capacitors and resonators are barium titanate ceramic, silver, palladium, and platinum. Precious metals are available from many sources; however, their prices may be subject to significant fluctuations and such fluctuations may have a material and adverse affect on the Company's operating results.

The Company's customers demand a high level of quality. As a result, the Company maintains an extensive quality control system designed to meet the requirements of sophisticated defense and commercial communications products. The Company has been approved by defense customers under the requirements of the U.S. military quality system, which approval is also often accepted by commercial customers. In addition, all of the Company's facilities have achieved and maintain ISO 9001 certification, and most of the Company's North American facilities have achieved and maintain the automotive industry quality standard of QS 9000.

In recent years, a majority of the Company's capital investment has been expended to establish new production lines and improve manufacturing processes. There can be no assurance that the Company can continue to make such investments in a timely manner so as to take advantage of market demand.

### **SALES AND DISTRIBUTION**

The Company sells its products through a combination of manufacturers' representatives, internal sales force, and distribution. The Company maintains representatives throughout North America and Europe, and portions of South America, Asia and the Middle East. The Company's internal sales organization includes employees dedicated to certain microwave product sales, new business development, and distribution sales management. In fiscal 2007, approximately 15% of the Company's consolidated sales was through distribution. Domestic distribution is done through various national and regional distributors. International distribution is done through the Company's wholly-owned German subsidiary, Spectrum Control GmbH.

During fiscal year 2007, the Company sold its products to approximately 1,800 accounts. Sales of products to the Company's top ten customers represented 27% (\$36.7 million) of total consolidated net sales in 2007. The top ten customers primarily consist of distributors, military/defense prime contractors, and original equipment manufacturers of communications equipment. All of the Company's major customers are unaffiliated with Spectrum Control, Inc. and its subsidiaries.

Shipments are made by common carrier. Most of the Company's signal integrity, sensors, and microwave products are either small or miniaturized and light weight. Accordingly, shipping charges for these products are not significant to the Company's business. However, transportation costs for the Company's power integrity products and power management systems may be significant. Accordingly, shipping charges and delivery time for these products may affect the Company's ability to compete for business, particularly in international markets.



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## **Table of Contents**

No material portion of the Company's business is subject to renegotiation of profits or termination of contracts or sub-contracts at the election of the U.S. Government.

### **BACKLOG**

The Company's backlog, which consists of purchase orders by customers, totaled approximately \$48.1 million at November 30, 2007 and \$48.6 million at November 30, 2006. It is anticipated that approximately 90% of the Company's backlog as of November 30, 2007 will be shipped within one year. Annual requirement contracts are taken into backlog only to the extent that orders are actually released thereunder. Although the terms and conditions contained in the Company's quotation forms place certain restrictions on a customer's right to cancel, purchase orders generally provide for cancellation. In practice, the Company negotiates each cancellation and schedule change based on the cost it has incurred prior to such occurrence. The Company expects to continually reduce its average lead time (the length of time from the receipt of a customer order to shipment of finished product to the customer). As a result, the Company's backlog may decrease in the future due to reduced lead times.

### **EMPLOYEES**

As of November 30, 2007, the Company had a total of 1,607 employees, including 69 in sales, marketing and customer support; 140 in engineering, product development and technical support; 1,360 in manufacturing; and 38 in finance, accounting and administration. The Company's future success depends in significant part upon the continued service of its key technical and senior management personnel and its continued ability to attract and retain highly qualified technical and managerial personnel. Competition for such personnel is intense, and there can be no assurance that the Company can retain its key managerial and technical employees or that it can attract, assimilate, or retain other highly qualified technical and managerial personnel in the future. None of the Company's employees is represented by a labor union. The Company has not experienced any work stoppages and considers its relations with its employees to be good.

### **PROPRIETARY RIGHTS**

The Company relies on trade secrets, know-how, and to a lesser extent patents, to establish and protect proprietary rights to technologies and products. Trade secrets and know-how are protected through confidentiality agreements and internal procedures. In connection with the manufacture and sale of control products and systems, the Company owns numerous United States and foreign patents and has certain patents pending. None of these patents and patent applications are critical to the Company's business. The Company's policy is to file patent applications to protect proprietary technology, inventions and improvements. There can be no assurance that patents will issue from any of the Company's pending applications or that any claims allowed from existing or pending patents will be sufficiently broad to protect the Company's technology. While the Company intends to protect its intellectual property rights vigorously, there can be no assurance that any patents held by the Company will not be challenged, invalidated or circumvented, or the rights granted thereunder will provide competitive advantages to the Company.

The Company currently holds four (4) United States patents relating to polymer multilayer technology. The Company has entered into several agreements regarding licensing the technology covered by these patents. However, it is not known what commercial value, if any, these patents and related licenses may have.

### **ENVIRONMENTAL MATTERS**

On December 30, 2005, we acquired certain land and ceramic manufacturing facilities in State College, Pennsylvania. The property, which was acquired from Murata Electronics North America ( Murata ), consists of approximately 53 acres of land and 250,000 square feet of manufacturing facilities. The acquired facilities have become the design and manufacturing center for our ceramic operations, replacing the ceramic operations previously conducted in New Orleans, Louisiana.

The purchase price for the acquired property consisted of: (a) \$1.00, plus (b) closing costs of \$695,000 including realtor commissions, transfer taxes, and legal fees; plus (c) the assumption of, and indemnification of Murata against, all environmental liabilities related to the property. The acquired property has known environmental conditions that require remediation, and certain hazardous materials previously used on the property have migrated into neighboring third party areas. These environmental issues arose from the use of chlorinated organic solvents including tetrachloroethylene ( PCE ) and trichloroethylene ( TCE ). As a condition to the purchase, we entered into an agreement with the Pennsylvania Department of Environmental Protection ( PADEP ) pursuant to which: (a) we agreed to remediate all known environmental conditions relating to the property to a specified industrial standard, with our costs for remediating such conditions being capped at \$4.0 million; (b) PADEP released Murata from further claims by Pennsylvania under specified state laws for the known environmental condition; and (c) we purchased an insurance policy providing clean-up cost cap coverage (for known and unknown pollutants) with a combined coverage limit of approximately \$8.2 million, and pollution legal liability coverage (for possible third party claims) with



**Table of Contents**

an aggregate coverage limit of \$25.0 million. The total premium cost for the insurance policy, which has a ten year term and an aggregate deductible of \$650,000, was \$4.8 million. The cost of the insurance associated with the environmental clean-up (\$3.6 million) is being charged to general and administrative expense in direct proportion to the actual remediation costs incurred. The cost of the insurance associated with the pollution legal liability coverage (\$1.2 million) is being charged to general and administrative expense on a pro rata basis over the ten year policy term.

Based upon our environmental review of the property, we recorded a liability of \$2.9 million to cover probable future environmental expenditures related to the remediation, the cost of which is expected to be entirely covered by the insurance policy. As of November 30, 2007, remediation expenditures of \$1.2 million have been incurred and charged against the environmental liability, with all such expenditures being reimbursed by the insurance carrier. The remaining aggregate undiscounted expenditures of \$1.7 million, which are anticipated to be incurred over the next eight years, principally consist of: (a) continued operation and monitoring of the existing on-site groundwater extraction, treatment, and recharge system; (b) implementation of a chemical oxidation system, subject to the results of a laboratory treatability study; (c) completion of soil investigations to determine the extent of potential soil contamination; (d) excavation and off-site disposal of soil containing contaminants above acceptable standards; and (e) implementation of soil vapor extraction systems in certain areas. Depending upon the results of future environmental testing and remediation actions, it is possible that the ultimate costs incurred could exceed the current aggregate estimate of \$2.9 million. We expect such increase, if any, to be entirely covered by the insurance policy. Insurance recoveries for actual environmental remediation costs incurred are recorded when it is probably that such insurance reimbursement will be received and the related amounts are determinable. Such insurance recoveries are credited to our general and administrative expense. Based on the current remediation plan, \$356,000 of the total remediation costs is expected to be incurred during the next twelve months.

We are subject to various laws and governmental regulations concerning environmental matters and employee safety and health in the United States and other countries. U.S. federal environmental legislation having particular impact on us includes the Toxic Substances Control Act; the Resource Conservation and Recovery Act; the Clean Air Act; the Clean Water Act; and the Safe Drinking Water Act. We also are subject to regulation by the Occupational Safety and Health Administration ( OSHA ) concerning employee safety and health matters. The United States Environmental Protection Agency ( EPA ), OSHA, and other federal agencies have the authority to promulgate regulations that have an impact on our operations.

In addition to these federal agencies, various states have been delegated certain authority under the aforementioned federal statutes. Many state and local governments have adopted environmental and employee safety and health laws and regulations, some of which are similar to federal requirements. State and federal authorities may seek fines and penalties for violation of these laws and regulations. As part of our continuing environmental program, we have been able to comply with such proceedings and orders without any materially adverse effect on our business. We are not currently involved in any significant legal proceedings involving environmental matters.

**GOVERNMENT REGULATIONS**

The Company's products are incorporated into communications systems which are subject to various FCC regulations. Regulatory changes, including changes in the allocation of available frequency spectrum, could significantly impact the Company's operations by restricting development efforts by the Company's customers, obsoleting current products or increasing the opportunity for additional competition. Changes in, or the failure by the Company to comply with, applicable domestic and international regulations could have an adverse effect on the Company's business, operating results and financial condition. In addition, the increasing demand for wireless communications has exerted pressure on regulatory bodies worldwide to adopt new standards for such products and services, generally following extensive investigation of and deliberation over competing technologies. The delays inherent in this government approval process may cause the cancellation, postponement or rescheduling of the installation of communications systems by the Company's customers, which in turn may have a material adverse effect on the sale of products by the Company to such customers.

In order to qualify as an approved supplier of products for use in equipment purchased by the military services or aerospace programs, the Company is required to meet the applicable portions of the quality specifications and performance standards designed by the Air Force, the Army, and the Navy. The Company's products must also conform to the specifications of the Defense Electronic Supply Center for replacement parts supplied to the military. To the extent required, the Company meets or exceeds all of these specifications.



## **Table of Contents**

### **COMPETITION**

The markets for the Company's products are intensely competitive and are characterized by technological change and product obsolescence. The principal competitors of our Signal Integrity Components Business include Amphenol Corporation, Conec Corporation, ITT Canon, an ITT Industries Company, and Tusonix, Inc. The primary competitors of our Power Integrity Components Business include Corcom, a Tyco Electronics company, Delta Group Electronics, Inc., Schaffner Holder AG, and Captor Corporation. The major competitors of our Power Management Systems include Astec America, Inc., Peco II, Inc., Dataprobe, Inc., Western Telematic, Inc. and Dantel, Inc. Major competitors for our Microwave Products include K&L Microwave, a Dover company, Lorch Microwave, Teledyne Cougar, M/A Com, a Tyco Electronics Company, and Murata Manufacturing Company. Competition for our Sensors and Controls Business comes from many sources including Betatronix, Inc., BetaTHERM Corporation, Honeywell Sensing and Controls, Thermalogic Corporation, and Smith Systems, Inc. Many of the Company's current and potential competitors have significantly greater financial, technical, manufacturing, and marketing resources than the Company. These competitors may be able to engage in sustained price reductions in the Company's primary markets to gain market share. Furthermore, the Company currently supplies control products and systems to large OEM customers that are continuously evaluating whether to manufacture their own products and systems or purchase them from outside sources.

The Company believes that its ability to compete in its current markets depends on factors both within and outside the Company's control, including the timing and success of new product introductions by the Company and its competitors, availability of ceramic and assembly manufacturing capability, the Company's ability to support decreases in selling price through operating cost reductions, adequate sources of raw materials, product quality, and general economic conditions. There can be no assurance that the Company will be able to compete successfully in the future.

### **RESEARCH AND DEVELOPMENT**

The Company's position as a leading designer, developer and manufacturer of control products and systems is largely the result of a long history of technological innovation. The Company's research and development efforts are focused on expanding the Company's materials technology, improving existing product offerings, developing new product offerings, and designing specialized production equipment to improve manufacturing efficiencies. As of November 30, 2007 the Company employed 140 individuals in engineering, technical support, and product development. In addition to their design and development activities, the engineering staff participates with the Company's marketing department in proposal preparation and applications support for customers. Research and development expense was \$3.5 million in 2007, \$3.1 million in 2006, and \$2.4 million in 2005.

### **WEBSITE ACCESS TO COMPANY REPORTS AND GOVERNANCE DOCUMENTS**

The Company's annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and all amendments to those reports are available free of charge on the Company's website at [www.spectrumcontrol.com](http://www.spectrumcontrol.com) as soon as reasonably practicable after such material is electronically filed with or furnished to the Securities and Exchange Commission. Copies of the Company's annual report are also available, free of charge, upon written request. Charters of the Company's Audit Committee, Compensation Committee, and Nominating and Corporate Governance Committee, along with the Company's Code of Ethics and other governance documents, are available for viewing on the Company's website.

### **OTHER MATTERS**

The business of the Company is not subject to any significant seasonal fluctuations.

The Company does not believe that it has any special practices or special conditions affecting working capital items that are significant for an understanding of its business.

**Table of Contents**

**Item 1A. Risk Factors**

The markets in which we compete are characterized by rapidly changing technologies, evolving industry standards and frequent improvements in products and services. If technologies supported by our products become obsolete or fail to gain widespread acceptance, as a result of a change in the industry standards or otherwise, our business could be harmed. Our future success will depend in part on factors including our ability to establish close working relationships with major customers for the design of their new systems and products; our ability to identify, develop and achieve market acceptance of new products that address technologies and meet our customer needs; our ability to continue to apply our expertise and technologies to existing and emerging markets; and our ability to achieve acceptable product costs on new products.

We must also continue to make significant investments in research and development efforts in order to develop necessary product enhancements, new designs and technologies. We may not be able to obtain a sufficient number of engineers, or other technical support staff, or the funds necessary to support our research and development efforts when needed. In addition, our research and development efforts may not be successful, and our new products may not achieve market acceptance. Current technologies are complex and new products and enhancements developed by our customers can in turn require long development periods for our new products, or for enhancement or adaptation of our existing products. If we are unable to develop and introduce new products or enhancements in a timely manner in response to changing market conditions or customer requirements, or if our new products do not achieve market acceptance, our business, financial condition and operating results could suffer.

Other risk factors applicable to the Company are discussed under the heading **Risk Factors That May Affect Future Results** included in Management's Discussion and Analysis of Financial Condition and Results of Operations as set forth herein.

**Item 1B. Unresolved Staff Comments**

None

**Table of Contents****ITEM 2. PROPERTIES**

The Company's principal manufacturing and office facilities as of November 30, 2007 are as follows:

LOCATION	FUNCTION	APPROXIMATE SQUARE FEET OF FLOOR AREA	OWNERSHIP	PRINCIPAL BALANCE OUTSTANDING AT 11/30/07 ON RELATED MORTGAGE
8061 Avonia Road Fairview, PA	Manufacturing, EMI Testing	40,000	Owned	N/A
1900 West College Ave. State College, PA	Manufacturing	250,000	Owned	N/A
7100 Gateway Drive Columbia, MD	Design Center	7,000	Rented	N/A
3053 Hwy. 51N Wesson, MS	Manufacturing	50,000	Owned	\$665,000
38166 Old Stage Road Delmar, DE	Manufacturing	15,000	Owned	N/A
2144 Franklin Drive NE Palm Bay, FL	Manufacturing	53,000	Owned	N/A
2707 Black Lake Place Philadelphia, PA	Manufacturing	20,000	Owned	N/A
424 Crown Point Circle Grass Valley, CA	Manufacturing	17,000	Rented	N/A
328 State Street St. Marys, PA	Manufacturing	22,000	Owned	N/A
Boulevard Zaragoza 2910 Ciudad Juarez, Mexico	Manufacturing	50,000	Rented	N/A
2 <sup>nd</sup> Industrial Area North Ling Tou Industrial Rd. Qiao Tou Town Dong Guan City Guang Dong Province China	Manufacturing	75,000	Rented	N/A

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8031 Avonia Road

Fairview, PA

Corporate Offices

10,000

Owned

\$466,000

- (1) The Company's manufacturing and office space are considered adequate for its existing requirements and its projected business needs.
- (2) In addition to the facilities described above, the Company leases certain sales office and warehousing space.

**Table of Contents****ITEM 3. LEGAL PROCEEDINGS**

The Company is subject to certain legal proceedings and claims arising in the ordinary course of business. In the opinion of management, the amount of any ultimate liability with respect to these actions will not materially affect the Company's consolidated financial position or results of operations.

**ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS**

No matters were submitted to a vote of security holders during the quarter ended November 30, 2007.

**PART II****ITEM 5. MARKET FOR THE REGISTRANT'S COMMON STOCK, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES**

The Company's Common Stock is traded on the NASDAQ Stock Market under the symbol SPEC. The high and low sales prices for the Common Stock for each quarter during fiscal years 2007 and 2006 are set forth below.

	High	Low
Fiscal 2007		
First quarter	\$ 12.15	\$ 8.77
Second quarter	15.50	10.25
Third quarter	17.78	12.62
Fourth quarter	17.27	13.82
	High	Low
Fiscal 2006		
First quarter	\$ 7.45	\$ 6.14
Second quarter	9.33	7.10
Third quarter	10.55	6.86
Fourth quarter	10.50	8.61

At January 31, 2008, the Company had 13,265,576 shares of Common Stock outstanding, which were held by approximately 1,200 registered stockholders. In recent years, the Company has not paid cash dividends on its Common Stock. While subject to periodic review, the current policy of the Board of Directors is to retain all earnings to provide funds for the future growth of the Company.

**Table of Contents**

The following table sets forth information as of November 30, 2007 with respect to compensation plans under which equity securities of the Company are authorized for issuance.

Plan Category	(I) Number of securities to be issued upon exercise of outstanding options	(II) Weighted-average exercise price of outstanding options	(III) Number of securities remaining available for future issuance under plans (excluding securities listed in Column (I))
Equity compensation plans approved by security holders	1,065,967	\$ 6.93	1,193,599
Equity compensation plans not approved by security holders			
<b>Total</b>	<b>1,065,967</b>	<b>\$ 6.93</b>	<b>1,193,599</b>

From time to time, the Company repurchases shares of its Common Stock on the open market or through privately negotiated transactions. During the fourth quarter of fiscal 2007, however, the Company did not repurchase any of its outstanding shares.

The following table shows the Company's total return to shareholders compared to the S&P 500 Index, the NASDAQ U.S. Index, and the NASDAQ Electronic Components Stock Index over the five year period from 2003 through 2007. The table assumes that \$100 was invested on December 1, 2002, in the Company's Common Stock and in each of the other indices.

	2002	2003	2004	2005	2006	2007
Spectrum	\$ 100	\$ 116	\$ 120	\$ 102	\$ 142	\$ 239
S&P 500	\$ 100	\$ 115	\$ 130	\$ 138	\$ 155	\$ 164
NASDAQ U.S.	\$ 100	\$ 132	\$ 141	\$ 152	\$ 166	\$ 179
NASDAQ Electronic Components Stock Index	\$ 100	\$ 155	\$ 117	\$ 124	\$ 135	\$ 147

**Table of Contents****ITEM 6. Selected Financial Data**

	Years Ended November 30				
	(Amounts in Thousands, Except Per Share Data )				
	2007	2006	2005	2004	2003
<b>Operations</b>					
Net sales	\$ 136,539	\$ 125,672	\$ 98,354	\$ 80,477	\$ 62,985
Gross margin	36,363	28,780	25,775	22,549	13,899
Income from operations	17,864	9,314	7,134	6,705	1,230
Interest expense	561	545	110	112	136
Income before provision for income taxes	17,558	9,039	7,323	6,777	1,413
Net income	11,141	5,871	4,605	4,167	854
Earnings per common share :					
Basic	\$ 0.83	\$ 0.45	\$ 0.35	\$ 0.32	\$ 0.07
Diluted	\$ 0.81	\$ 0.44	\$ 0.35	\$ 0.32	\$ 0.07
Weighted average common shares outstanding :					
Basic	13,359	13,127	13,054	13,012	12,937
Diluted	13,798	13,381	13,160	13,162	13,004
<b>Financial Position</b>					
Working capital	\$ 43,277	\$ 31,808	\$ 39,470	\$ 42,291	\$ 46,542
Total assets	126,919	119,207	98,002	91,349	83,371
Long-term debt	1,031	1,131	1,426	1,716	2,106
Stockholders' equity	101,868	88,599	81,361	76,842	72,044

This table should be read in conjunction with the related consolidated financial statements; notes to consolidated financial statements, and management's discussion and analysis of financial condition and results of operations.

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## **Table of Contents**

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

The following discussion and analysis should be read in conjunction with, and is qualified in its entirety by reference to, the consolidated financial statements and related notes appearing elsewhere in this annual report. All references to we, us, our, or the Company in the following discussion and analysis mean Spectrum Control, Inc. and its Subsidiaries.

#### **Overview**

We were founded as a solutions-oriented company, designing and manufacturing products to suppress or eliminate electromagnetic interference (EMI). In recent years, we broadened our focus and product lines to become a control products and systems company, providing a wide range of components and systems used to condition, regulate, transmit, receive, or govern electronic performance. Although our components and systems are used in many industries worldwide, our largest individual markets are military/defense and communications equipment which represented 48.0% and 20.0%, respectively, of our fiscal 2007 sales. Military/defense applications for our products include secure communications, smart weapons and munitions, countermeasures for improvised explosive devices, and simulation equipment. In communications, our products are used in numerous systems including wireless base stations, broadband switching equipment, global positioning systems, and optical networks. Automotive represents an emerging market for our products, with significant applications in DC motors, telematics, and electronic safety controls. Other markets for our products include medical instrumentation, industrial equipment, computers, and storage devices.

Our operations are currently conducted in four reportable segments: signal and power integrity components; microwave components and systems; power management systems; and sensors and controls. Our Signal and Power Integrity Components Business designs and manufactures a broad range of products including low pass EMI filters, filter plates, filtered connectors, specialty ceramic capacitors, power entry modules, power line filters, and our motor line feed thru (MLFT) filters. Our Microwave Components and Systems Business designs and manufactures microwave filters, waveguides, amplifiers, frequency mixers, oscillators, synthesizers, multiple channel filter banks, and related products and integrated assemblies. The Power Management Systems Business designs and manufactures breaker and fuse interface panels, custom power outlet strips, and our Smart Start power management systems. Our Sensors and Controls Business designs and manufactures rotary and linear precision sensors, temperature sensing probes, thermistors, resistance temperature detector sensors, and related assemblies.

We recognize revenue when all significant contractual obligations have been met, the sales price is fixed and determinable, and the collection of the resulting receivable is reasonably assured. As a result, product sales are generally recorded at the time of shipment when title passes under the terms FOB shipping point. Payments received from customers in advance of products shipped are recorded as deferred revenue until earned.

#### **Acquisitions**

On January 26, 2007, we acquired substantially all of the assets and assumed certain liabilities of EMF Systems, Inc. (EMF). EMF, based in State College, Pennsylvania, designs and manufactures custom oscillator-based products. In addition to a broad line of oscillator components, EMF primarily designs and manufactures integrated microwave assemblies (IMA), including synthesizers and phase-locked oscillators. These IMA products are used in numerous military and commercial applications such as military radar systems, secure communications, and commercial weather radar. The aggregate cash purchase price for EMF was \$2.4 million.

On July 14, 2006, we acquired all of the outstanding common stock of Advanced Thermal Products, Inc. (ATP). ATP, based in St. Marys, Pennsylvania, designs and manufactures a broad line of custom temperature sensors. ATP's products include temperature sensing probes and assemblies, positive and negative temperature coefficient thermistors, and resistance temperature detector sensors and related assemblies. These products are used in numerous applications within the heating and air conditioning industry, consumer electronics, energy management, food service and electronic controls market. The aggregate cash purchase price for ATP was \$9.5 million.

On October 31, 2005, we acquired all of the outstanding common stock of JDK Controls, Inc. (JDK). JDK, based in Grass Valley, California, designs and manufactures precision co-molded conductive plastic sensors and assemblies. JDK's products are used in various commercial, aerospace and military markets, with major applications in medical and meteorological instruments, animatronics and robotics, aircraft flap position actuators, cockpit instrumentation, missile programs, military vehicles, fighter aircraft, and various automotive controls. The aggregate cash purchase price for JDK was \$4.1 million.



**Table of Contents****Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

For each of these acquisitions, the purchase price was entirely funded through our available cash reserves, except the acquisition of ATP which was primarily funded by borrowings under our domestic line of credit. The results of operations of the acquired businesses have been included in the accompanying financial statements since their respective acquisition dates. Accordingly, our consolidated net sales for the years ended November 30, 2007, 2006, and 2005 include the following amounts related to these acquired businesses (in thousands):

	2007	2006	2005
EMF	\$ 3,164	\$	\$
ATP	9,080	3,561	
JDK	11,412	8,266	639

For operating segment purposes, EMF is reported within our Microwave Components and Systems business segment. ATP and JDK comprise our recently created Sensors and Controls business segment.

**Asset Impairment Loss**

In August 2005, our 100,000 square foot ceramic manufacturing facility in New Orleans, Louisiana, was severely damaged by Hurricane Katrina and related flooding (the Hurricane). As a result of the Hurricane, we recorded net asset impairment losses and related expenses of \$274,000 in the year ended November 30, 2005. This amount, which has been included in general and administrative expense in fiscal 2005, consists of the following: inventory losses of \$1.0 million; building and equipment losses of \$3.6 million including the reduction of the affected land and building to its estimated fair value of \$450,000; direct clean-up, asset assessment, and repair costs of \$1.7 million; less expected insurance proceeds of \$6.0 million.

In March 2006, we sold the land and building in New Orleans at a net selling price of \$246,000. As a result, we recorded an additional asset impairment loss of \$204,000, representing the difference between the net selling price and the property's previously estimated fair value of \$450,000. In 2006, we also incurred final clean-up and asset assessment costs of \$183,000. Accordingly, an asset impairment loss in the aggregate amount of \$387,000 has been included in general and administrative expense in our consolidated statement of income for the year ended November 30, 2006.

As of November 30, 2006, we had received \$4.5 million of insurance proceeds for our Hurricane-related claims, and we had recorded an insurance recovery receivable of \$1.5 million for expected additional insurance proceeds. In January 2007, we received insurance proceeds of \$1.748 million upon the final settlement of all related claims. Accordingly, \$248,000 was credited against our general and administrative expense in the year ended November 30, 2007, representing the excess of the final insurance proceeds received over the previously recorded insurance recovery receivable.

**Forward-Looking Information**

The following discussion includes certain forward-looking statements within the meaning of the federal securities laws, including statements regarding: (1) our belief as to future market conditions and sales growth rates for our products, (2) our projected capital expenditures, (3) our anticipated research and development expenses, and (4) our expected future operating requirements and financing needs. The words "believe", "expect", "anticipate" and similar expressions identify forward-looking statements. These forward-looking statements are subject to certain risks and uncertainties which could cause actual results to differ materially from historical results or those anticipated. Factors that could cause or contribute to such differences include those discussed in "Risk Factors That May Affect Future Results", as well as those discussed elsewhere herein. Readers are cautioned not to place undue reliance on these forward-looking statements.

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**Table of Contents**

**Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

**Executive Summary**

During 2007, our consolidated net sales increased by \$10.9 million or 8.6% from 2006. This increase was principally driven by our recent business acquisitions. Sales of our sensors and controls grew to \$20.5 million, an increase of \$8.7 million or 73.3% from the preceding year. In addition to ATP product sales increases of \$5.5 million, the current year sales growth for these products reflects increased shipments of our custom position sensors and related assemblies, which are used in numerous military and commercial applications. Including EMF product sales of \$3.2 million, sales of our microwave components and systems were down slightly at \$47.7 million in 2007 and \$48.7 million in 2006, as certain major military/defense programs were going through a transition period of renewal or replacement. During the second half of fiscal 2008, we expect our microwave products to resume their historical positive growth rate. Sales of our signal and power integrity products were \$60.7 million in 2007, up \$2.2 million or 3.8% from a year ago, primarily reflecting improved overall market conditions. Also, early in fiscal 2006, our signal integrity product sales were negatively impacted by the aftermath of Hurricane Katrina and our inability to obtain the ceramic components necessary to complete certain signal product orders. Total consolidated customer orders received in fiscal 2007 were \$139.6 million, an increase of \$14.9 million or 12.0% from fiscal 2006.

Our gross margin was \$36.4 million or 26.6% of sales in 2007, compared to \$28.8 million or 22.9% of sales in 2006. Our improved gross margin percentage primarily reflects reduced ceramic component costs. After losing our New Orleans ceramic manufacturing facility to Hurricane Katrina in August of 2005, we began purchasing ceramic components from third party suppliers at prices significantly greater than our previous manufactured costs. As a result, our material costs increased and our gross margin, as a percentage of sales, decreased below historical levels. To re-establish our own ceramic manufacturing capabilities, and replace the operations previously conducted in New Orleans, we acquired in December 2005 a facility in State College, Pennsylvania. In June 2006, limited ceramic component production commenced at our new State College operations with additional production being systematically increased thereafter. During the second quarter of fiscal 2007, full ceramic production was achieved and substantially all purchases of specialty ceramic components from third party suppliers were eliminated. Accordingly, as a percentage of sales, our gross margin in the second half of fiscal 2007 returned to a more normalized level of 27.5% to 28.0% of sales.

With our greater sales volume and improved gross margin, our overall profitability significantly increased. Net income was \$11.1 million or 81 cents per share (diluted) in 2007, compared to \$5.9 million or 44 cents per share (diluted) in 2006. As a result of our enhanced profitability, net cash provided by operating activities grew to \$13.6 million in fiscal 2007. In addition to this positive operating cash flow, we received \$1.2 million in cash from the exercise of employee stock options and \$1.7 million upon the final settlement of all insurance claims related to Hurricane Katrina. This aggregate cash generation enabled us to repay \$7.0 million of borrowings under our domestic line of credit, expend \$5.8 million for capital equipment and improvements, as well as fund the \$2.4 million cash purchase price for EMF.

At November 30, 2007, our cash and cash equivalents were \$5.2 million, our current ratio was 3.87 to 1.00, and our total debt to equity was 0.25 to 1.00.

**Table of Contents****Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)****Results of Operations**

The following table sets forth certain financial data, as a percentage of net sales, for the years ended November 30, 2007, 2006, and 2005:

	<b>2007</b>	<b>2006</b>	<b>2005</b>
Net sales	100.0%	100.0%	100.0%
Cost of products sold	73.4	77.1	73.8
Gross margin	26.6	22.9	26.2
Selling, general and administrative expense	13.5	15.5	19.0
Income from operations	13.1	7.4	7.2
Other income (expense)			
Interest expense	(0.4)	(0.4)	(0.1)
Other income and expense, net	0.2	0.2	0.3
Income before provision for income taxes	12.9	7.2	7.4
Provision for income taxes	4.7	2.5	2.7
Net income	8.2%	4.7%	4.7%

The following table sets forth our net sales by reportable operating segments for the years ended November 30, 2007, 2006, and 2005 (in thousands):

	<b>2007</b>	<b>2006</b>	<b>2005</b>
Signal and power integrity components	\$ 60,713	\$ 58,472	\$ 52,236
Microwave components and systems	47,748	48,716	38,399
Power management systems	7,586	6,657	7,080
Sensors and controls	20,492	11,827	639
	\$ 136,539	\$ 125,672	\$ 98,354

**2007 Compared to 2006***Net Sales*

In 2007, our net sales increased by \$10.9 million or 8.6%, with consolidated sales of \$136.5 million in 2007 and \$125.6 million in 2006. Of this \$10.9 million increase, \$8.7 million relates to our acquisitions of EMF and ATP. The remaining \$2.2 million increase reflects additional shipments of signal and power integrity components, power management systems, and sensors and controls, which were partially offset by reduced shipments of microwave products.

Sales of our signal and power integrity products were \$60.7 million in fiscal 2007, up \$2.2 million from a year ago, primarily reflecting improved overall market conditions. Additionally, early in fiscal 2006, our signal integrity product sales were negatively impacted by the aftermath of Hurricane Katrina and our inability to obtain the ceramic components necessary to complete certain signal product orders. Sales of our sensors and controls were \$20.5 million in fiscal 2007, an increase of \$8.7 million from fiscal 2006. In addition to ATP product sales increases of \$5.5 million, the current year growth in sensor sales principally reflects increased shipments of our custom position sensors used in various medical, commercial weather instruments, and military applications. Sales of our power management systems increased by \$929,000, with sales of \$7.6 million in 2007 and \$6.7 million in 2006. We continue to be optimistic about the long-term growth potential of these advanced

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systems, which are used in various infrastructure equipment including voice-over-internet protocol ( VoIP ) equipment, data storage, unmanned military transport equipment, wireless base stations, and switching gear.

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**Table of Contents****Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

Including EMF product sales of \$3.2 million, fiscal year 2007 sales of our microwave components and systems were down from a year ago (\$47.7 million in 2007 versus \$48.7 million in 2006) as certain major military-related programs were winding down and not yet fully renewed or replaced with the next generation of products. We currently believe this program transition period will be completed by the end of the second quarter of fiscal 2008. Accordingly, we expect our microwave components and systems to resume their positive historical growth rate during the second half of next year.

Total customer orders received in 2007 amounted to \$139.6 million, an increase of \$14.9 million or 12.0% from the preceding year. At November 30, 2007, our sales order backlog was \$48.1 million.

Overall, average selling prices remained relatively stable in 2007 for all of our major product lines.

*Gross Margin*

Our gross margin in fiscal 2007 was \$36.4 million or 26.6% of sales, compared to \$28.8 million or 22.9% of sales a year ago. This increase in gross margin percentage principally reflects reduced material costs from the resumption of internal ceramic manufacturing. Total material costs (including ceramic components) amounted to \$35.2 million or 25.8% of sales in fiscal 2007, compared to \$38.6 million or 30.7% of sales in fiscal 2006.

Prior to its destruction by Hurricane Katrina in late August of 2005, our New Orleans operations designed and manufactured specialty ceramic capacitors. These custom ceramic components are an essential element of our signal integrity products. With this disruption to our internal ceramic manufacturing capabilities, we began purchasing these ceramic components from third party suppliers at prices significantly greater than our previous manufactured costs. To address our ongoing ceramic component needs and to re-establish our own ceramic manufacturing capabilities, we acquired in December 2005 a ceramic manufacturing facility in State College, Pennsylvania. The acquired facility has become the design and manufacturing center for our ceramic products, replacing the operations previously conducted in New Orleans. In June 2006, limited production commenced at our new State College operations with additional production being systematically increased thereafter. During the second quarter of fiscal 2007, full ceramic production was achieved and substantially all purchases of specialty ceramic components from third party suppliers were eliminated. Accordingly, as a percentage of sales, our gross margin in the second half of fiscal 2007 returned to a more normalized level of 27.5% to 28.0% of sales.

Total labor costs were \$16.4 million or 12.0% of sales in 2007, compared to \$14.0 million or 11.2% of sales in 2006. In addition to greater sales volume and changes in product mix, the increase in labor costs primarily reflects our resumption of internal ceramic production. As a percentage of sales, manufacturing overhead remained relatively stable throughout the period. Aggregate manufacturing overhead was \$48.6 million or 35.6% of sales in fiscal 2007, versus \$44.3 million or 35.2% of sales in fiscal 2006.

At November 30, 2007, we had a total workforce of 1,607 employees, up 3.8% from a year ago. We expect to continuously review our organization and cost structure to enhance operating efficiencies, while maintaining flexibility for future capacity expansion.

*Selling, General and Administrative Expense*

In fiscal 2007, selling expense amounted to \$10.5 million or 7.7% of sales, compared to \$10.4 million or 8.3% of sales in fiscal 2006. The decrease in selling expense, as a percentage of sales, principally reflects the impact of higher sales volume and certain fixed selling expenses. General and administrative expense was \$8.0 million in 2007 versus \$9.0 million in 2006. This decrease in general and administrative expense was driven by numerous factors, including the following: (1) \$635,000 associated with asset impairments from Hurricane Katrina, reflecting the difference between the aggregate asset impairment loss of \$387,000 recorded in fiscal 2006 and the \$248,000 credit to general and administrative expense realized in fiscal 2007 upon the settlement of all related insurance claims; (2) Pre-production start-up costs of \$254,000 recognized in 2006 in connection with our State College facility; and (3) \$179,000 of additional equity-based compensation expense recorded in 2006 from our adoption of Statement of Financial Accounting Standards No. 123 (revised), Share-Based Payment (SFAS No. 123R). These decreases to general and administrative expense were partially offset in 2007 by additional professional fees of \$145,000 associated with our initial-year compliance with Section 404 of the Sarbanes-Oxley Act.



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**Table of Contents**

**Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

*Interest Expense*

Interest expense was \$561,000 in fiscal 2007 and \$545,000 in fiscal 2006. During the year ended November 30, 2007, weighted average borrowings under our domestic line of credit amounted to \$6.0 million, with an average interest rate of 6.61% and maximum month-end borrowings of \$9.0 million. During the year ended November 30, 2006, weighted average borrowings under the domestic line of credit were \$6.4 million, with an average interest rate of 6.43% and maximum month-end borrowings of \$14.0 million.

*Other Income and Expense*

We hold several United States and foreign patents relating to polymer multilayer ( PML ) technology, and we have granted several licenses to other entities for the use of PML technology. In connection with our PML technology, we received license fee and royalty income of \$93,000 in 2007 and \$114,000 in 2006. It is not known what remaining commercial value, if any, our PML licenses may have.

Our wholly-owned foreign subsidiaries transact business with certain customers and vendors in currencies other than their local currency. As a result, we recognize gains and losses on foreign currency transactions. Foreign currency transaction net losses of \$6,000 in 2007 and net gains of \$23,000 in 2006 were recognized and included in nonoperating income and expense.

We realized interest income of \$168,000 in 2007 and \$133,000 in 2006 from temporary cash investments.

*Income Taxes*

Our effective income tax rate was 36.5% in 2007 and 35.0% in 2006, compared to an applicable federal and state statutory income tax rate of approximately 40.0%. Differences between the effective tax rate and statutory tax rate primarily arise from state tax provisions, foreign income tax rates, changes in estimated tax rates applied to temporary differences, and the U.S. domestic manufacturers deduction.

At November 30, 2007, we had recorded certain deferred tax assets. In assessing the realizability of deferred tax assets, we consider whether it is more likely than not that some portion or all of the deferred tax assets will not be realized. The ultimate realization of deferred tax assets is dependent upon the generation of future taxable income during the periods in which the temporary differences become deductible. We consider the scheduled reversal of deferred tax liabilities, projected future taxable income, and tax planning strategies in making this assessment. Based upon our level of historical taxable income and projections for future taxable income, we believe it is more likely than not that the benefits of the deferred tax assets will be realized. Accordingly, no deferred tax asset valuation allowance was recorded at November 30, 2007.

**2006 Compared to 2005**

*Net Sales*

In 2006, our net sales increased by \$27.3 million or 27.8% from 2005. Of this \$27.3 million increase, \$11.2 million was in sensors and control products, reflecting our recent acquisitions of ATP and JDK. Sales of microwave components and systems grew by \$10.3 million in fiscal 2006, primarily arising from increased shipments for products used in numerous military applications including counter electronic devices, military aircraft and vehicles, and secure communications. Sales of our signal and power integrity components were \$58.5 million in fiscal year 2006, up \$6.2 million from the preceding year, reflecting improved overall market conditions throughout the passive electronic components industry. In addition, as a result of Hurricane Katrina and its related disruption of our internally manufactured ceramic components, approximately \$2.1 million of signal product shipments were delayed as of the end of fiscal 2005. Sales of our power management systems declined by \$423,000 in fiscal 2006, as certain of our communication equipment customers worked through excess inventories.

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**Table of Contents**

**Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

Total customer orders received in fiscal 2006 amounted to \$124.6 million, an increase of \$19.0 million or 18.0% from the preceding year. At November 30, 2006, our sales order backlog was \$48.6 million, up \$1.4 million or 3.0% from the end of fiscal 2005.

Overall, average selling prices remained relatively stable in 2006 for all of our major product lines.

*Gross Margin*

After losing our New Orleans ceramic manufacturing facility to Hurricane Katrina, we had to purchase specialty ceramic components from third party suppliers throughout fiscal 2006. The purchase cost of these ceramic components was significantly greater than our previous manufactured cost. As a result of these higher material costs, our gross margin declined as a percentage of sales. In fiscal 2006, our gross margin was \$28.8 million or 22.9% of sales, compared to \$25.8 million or 26.2% of sales in fiscal 2005. Total material costs (including ceramic components) amounted to \$38.6 million or 30.7% of sales in 2006, compared to \$26.2 million or 26.7% of sales in 2005.

As a percentage of sales, labor and manufacturing overhead declined slightly in fiscal 2006. Aggregate labor and manufacturing overhead expenses were 46.4% of sales in 2006, versus 47.1% of sales in 2005, principally reflecting economies of scale achieved with higher sales volume. At November 30, 2006, we had a total workforce of 1,548 employees, up 375 from the end of fiscal year 2005.

*Selling, General and Administrative Expense*

Selling expense amounted to \$10.4 million or 8.3% of sales in fiscal 2006, compared to \$10.6 million or 10.8% of sales in fiscal 2005. The decrease in selling expense primarily arises from reductions in advertising and other discretionary expenditures. As a percentage of sales, the decline in selling expense principally reflects the impact of leveraging certain fixed selling expenses over higher sales volume. General and administrative expense was \$9.0 million in 2006, versus \$8.0 million in 2005. This increase of \$1.0 million includes: (1) Pre-production start-up costs of \$254,000 associated with our recently acquired State College facility, (2) \$208,000 of equity-based compensation expense from our adoption of SFAS No. 123R, and (3) Asset impairment losses of \$113,000 associated with our former New Orleans ceramic facility, in excess of losses recorded in fiscal year 2005. The balance of the 2006 increase in general and administrative expense reflects various expenditures related to our greater business activity.

*Interest Expense*

Interest expense was \$545,000 in fiscal 2006, up \$435,000 from fiscal 2005. This increase primarily reflects our 2006 short-term borrowings. During the year ended November 30, 2006, weighted average borrowings under our domestic line of credit amounted to \$6.4 million, with an average interest rate of 6.43% and maximum month-end borrowings of \$14.0 million. These borrowings substantially financed our acquisition of ATP, as well as certain working capital requirements. Throughout 2005, no borrowings were outstanding under our domestic line of credit arrangement.

*Other Income and Expense*

In 2006, other income and expense consists of interest income from short-term investments of \$133,000, PML license and royalty fee income of \$114,000, and net gains on foreign currency transactions of \$23,000. In 2005, other income and expense reflects \$275,000 of interest income, \$62,000 of PML license and royalty fee income, and net losses on foreign currency transactions of \$38,000.



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**Table of Contents**

**Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

*Income Taxes*

Our effective income tax rate was 35.0% in 2006 and 37.1% in 2005, compared to an applicable federal and state statutory income tax rate of approximately 40.0%. Differences between the effective tax rate and statutory tax rate primarily arise from state tax provisions, foreign income tax rates, and the U.S. domestic manufacturers deduction.

At November 30, 2006, we had recorded certain deferred tax assets. Based upon our level of historical taxable income and projections for future taxable income, we believe it is more likely than not that the benefits of the deferred tax assets will be realized. Accordingly, no deferred tax asset valuation allowance was recorded at November 30, 2006.

**Risk Factors That May Affect Future Results**

Military aircraft, naval vessels, and certain military vehicles contain extensive communications equipment, electronic countermeasure equipment for defense against enemy weapons, smart weapons and munitions, and radar systems. We provide low pass filters, multisection assemblies, and various microwave components and integrated assemblies to major equipment manufacturers for installation into these systems. In addition, our precision position sensors are used in numerous military vehicles and aircraft. In 2007, military/defense sales were approximately 48.0% of our total consolidated sales. In recent years, demand for our products has been favorably impacted by an upward trend in U.S. defense spending. Future defense budgets, however, may be impacted by numerous economic and political factors. In addition, the specific programs in which we participate, or in which we may seek to participate in the future, must compete with other programs for consideration during the budget formulation and appropriation processes. While we believe many of our products are used in high priority military/defense programs, one or more of the programs that we currently serve could be phased-out or terminated. Reductions in these existing programs, unless offset by other programs and opportunities, would adversely affect our future revenues and profitability.

In fiscal year 2007, approximately 20.0% of our sales were to customers in the communications equipment industry. Our five largest customers in this sector, original equipment manufacturers of communications equipment, represented 7.0% of our total consolidated net sales in 2007. Several years ago, capital expenditures for wireless infrastructure equipment by service providers declined dramatically. Market conditions in the industry remain unpredictable and overall capital spending for wireless infrastructure equipment is still volatile. If the current market conditions deteriorate, it will have a material negative impact on our future operating performance.

Raw materials used in the manufacture of certain ceramic capacitors include silver, palladium, and platinum. Precious metals are available from many sources; however, their prices may be subject to significant fluctuations and such fluctuations may have a material and adverse affect on our operating results.

In addition, our results of operations may be negatively affected in the future by a variety of other factors including: time delays and cost overages in conducting specialty ceramic capacitor manufacturing at our new State College facilities; competitive pricing pressures; new technologies which decrease the demand for our products; new product offerings by our competitors; product cost changes; changes in the overall economic climate; cancellation of existing customer order backlog; unanticipated impairment of assets; difficulties in integrating acquired businesses and product lines; and changes in product mix.

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**Table of Contents**Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**Liquidity, Capital Resources and Financial Condition**

We maintain a domestic line of credit with our principal lending institution, PNC Bank, N.A. of Erie, Pennsylvania (the "Bank"), in the aggregate amount of \$25.0 million, with an additional \$10.0 million expansion feature. Borrowings under the line of credit are secured by substantially all of our tangible and intangible personal property, and bear interest at rates below the prevailing prime rate. At November 30, 2007, \$2.0 million was outstanding under this line of credit arrangement. The line of credit agreement contains certain covenants, the most restrictive of which require us to maintain designated minimum levels of net worth and profitability, and impose certain restrictions on us regarding additional indebtedness. At November 30, 2007, we were in compliance with all debt covenants. The current line of credit agreement expires in December 2010. Our ability to borrow in the future under this Bank credit facility is dependent on our ongoing compliance with the restrictive covenants. Whether we continue to comply with these covenants is largely dependent on our ability to attain certain levels of operating performance and profitability in the future, for which there can be no assurance.

Our wholly-owned German subsidiary maintains an unsecured Euro line of credit with a German financial institution aggregating approximately \$1.5 million (Euro 1.0 million). At November 30, 2007, no borrowings were outstanding under this line of credit. Future borrowings, if any, will bear interest at rates below the prevailing prime rate and will be payable upon demand.

At November 30, 2007, we had net working capital of \$43.3 million, compared to \$31.8 million at November 30, 2006 and \$39.5 million at November 30, 2005. At November 30, 2007, current assets were 3.87 times current liabilities, compared to 2.54 at the end of fiscal 2006 and 4.86 at the end of fiscal 2005. The increase in our working capital and current ratio in 2007 was primarily driven by growth in our accounts receivable and inventories (from additional sales volume and production requirements), as well as a reduction of \$7.0 million in our short-term bank borrowings. In 2006, the reduction in our working capital and current ratio principally reflects \$9.0 million of net cash purchase price for our acquisition of ATP, which was substantially funded through borrowings under our domestic line of credit. Our net working capital and current ratio also decreased in 2006 because of the cash requirements associated with the acquisition of land, building and equipment in connection with our new ceramic manufacturing facility in State College, Pennsylvania. Our working capital and current ratio decreased in 2005, primarily reflecting the impact of acquiring businesses (and their related long-lived assets) by utilizing some of our cash reserves.

Our capital expenditures for property, plant and equipment were \$5.8 million in 2007, including \$1.3 million for the acquisition of a machining center used in our sensors and controls business. The balance of our 2007 capital expenditures primarily relate to manufacturing capacity expansion and building improvements at our State College operations. Excluding the assets acquired from ATP, our capital expenditures for property, plant and equipment amounted to \$8.6 million in 2006. Of these capital expenditures, \$5.1 million relate to our State College operations with the remaining capital expenditures principally supporting manufacturing capacity expansion in our microwave business. Aggregate capital expenditures were \$3.3 million in fiscal 2005, primarily related to building improvements and production equipment for our China manufacturing operations, as well as expanding capacity and improving efficiencies in our microwave business.

In connection with the fixed assets destroyed or damaged by Hurricane Katrina, we received insurance proceeds of \$1.7 million in 2007 and \$2.5 million in 2006. At November 30, 2007, we had not entered into any material commitments for additional capital expenditures.

In January 2007, we acquired substantially all of the assets and assumed certain liabilities of EMF. The net cash purchase price for EMF was \$2.4 million, which was primarily funded by existing cash reserves. In July 2006, we acquired all of the outstanding common stock of ATP, with the net cash purchase price of \$9.0 million being substantially funded by borrowings under our domestic line of credit. In fiscal year 2005, we consummated two business acquisitions. We acquired all of the outstanding common stock of JDK in October 2005. In addition, early in 2005, we acquired substantially all of the assets and assumed certain liabilities of Amplifonix, Inc. (a designer and manufacturer of microwave components and systems). The total net cash purchase price for these fiscal 2005 acquired businesses was \$14.5 million, which was entirely funded through available cash reserves.

We have adopted a stock repurchase program. Under this program, we may repurchase up to \$6.0 million of the Company's outstanding Common Stock. Acquired shares are to be purchased in the open market or through privately negotiated transactions at prevailing market prices. Funding for these repurchases is expected to come from available cash reserves and borrowings under our revolving line of credit facility. The amount and timing of the shares repurchased are based on our ongoing assessment of the Company's capital structure, liquidity, and the market price of the Company's Common Stock. The repurchased shares are held as treasury stock. No shares were repurchased in fiscal 2007, 2006 or 2005. Since the inception of the stock repurchase program, 676,000 shares have been repurchased at a total cost of \$3.6 million.



**Table of Contents****Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

Research and development expenditures, which encompass the personnel and related expenses devoted to developing new products and processes, amounted to \$3.5 million in 2007, \$3.1 million in 2006, and \$2.4 million in 2005. We expect to continue our investment in research and development in 2008, as we continuously enhance existing product lines, design new products and processes, and increase our participation in emerging markets.

Income taxes paid during the fiscal years ended November 30, 2007, 2006 and 2005 amounted to \$3.5 million, \$2.3 million, and \$1.7 million, respectively. As a result of certain temporary differences, we expect cash outlays for income taxes to be less than income tax expense for fiscal 2008.

As of November 30, 2007, our obligations and firm commitments are as follows (in thousands):

Contractual obligations	Total	2008	Payments Due by Period				Thereafter
			2009	2010	2011	2012	
Long-term debt	\$ 1,131	\$ 100	\$ 487	\$ 65	\$ 70	\$ 75	\$ 334
Operating leases	3,408	1,212	1,193	922	81		

Current financial resources, including working capital and existing lines of credit, and anticipated funds from operations are expected to be sufficient to meet operating cash requirements throughout fiscal year 2008, including scheduled long-term debt repayment, lease commitments, planned capital expenditures, research and development expenses, and possible stock repurchases. There can be no assurance, however, that unplanned capital replacement or other future events will not require us to seek additional debt or equity financing and, if so required, that it will be available on terms acceptable to us.

Primarily driven by our enhanced profitability, net cash provided by operating activities grew to \$13.6 million in fiscal 2007. During the year ended November 30, 2007, accounts receivable and inventory turnover rates decreased slightly. Net cash generated by operating activities was \$403,000 in 2006, down \$8.5 million from the preceding year. With sales volume and production requirements significantly growing, accounts receivable and inventories increased in 2006 by \$4.9 million and \$2.7 million, respectively. Operating cash flow in 2006 also reflects the payment of a ten year insurance premium in the amount of \$4.8 million. The related insurance policy provides environmental clean-up cost cap coverage and pollution legal liability coverage for our recently acquired State College facility. Net cash generated by operating activities was \$8.9 million in fiscal 2005. Accounts receivable turnover rates improved in 2005, primarily reflecting the successful integration of collection efforts for our acquired businesses.

At November 30, 2007, goodwill represented 28.1% of our total assets and 35.0% of our stockholders' equity. In addition to a total of \$8.9 million of goodwill recognized in connection with our recent acquisitions of EMF, ATP, and JDK, another \$26.8 million of goodwill was realized in earlier acquisitions. In accordance with the provisions of Statement of Financial Accounting Standards No. 142, Goodwill and Other Intangible Assets, we have performed the required annual impairment tests of goodwill (as of September 1 of each fiscal year) and determined that no impairment loss need be recognized in the years ended November 30, 2007, 2006 and 2005.

**Quantitative and Qualitative Disclosures About Market Risk***Foreign Currency*

Certain of our European sales and related selling expenses are denominated in Euros, British Pounds Sterling, and other local currencies. In addition, certain of our operating expenses are denominated in Mexican Pesos and Chinese Yuan. As a result, fluctuations in currency exchange rates may affect our operating results and cash flows. To manage our exposure to the Euro and British Pound Sterling, we occasionally enter into forward currency exchange contracts. At November 30, 2007, we did not have any forward currency exchange contracts outstanding. For each of the three years ended November 30, 2007, currency exchange rate gains and losses were not material.

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**Table of Contents****Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)***Interest Rate Exposure*

We have market risk exposure relating to possible fluctuations in interest rates. From time to time, we utilize interest rate swap agreements to minimize the risks and costs associated with variable rate debt. We do not enter into derivative financial instruments for trading or speculative purposes. The interest rate swap agreements are entered into with major financial institutions thereby minimizing the risk of credit loss. At November 30, 2007, no interest rate swap agreements were outstanding.

**Environmental Matters**

On December 30, 2005, we acquired certain land and ceramic manufacturing facilities in State College, Pennsylvania. The property, which was acquired from Murata Electronics North America ( Murata ), consists of approximately 53 acres of land and 250,000 square feet of manufacturing facilities. Among other uses, the acquired facilities have become the design and manufacturing center for our ceramic operations, replacing the ceramic operations previously conducted in New Orleans, Louisiana.

The purchase price for the acquired property consisted of: (a) \$1.00, plus (b) closing costs of \$695,000 including realtor commissions, transfer taxes, and legal fees; plus (c) the assumption of, and indemnification of Murata against, all environmental liabilities related to the property. The acquired property has known environmental conditions that require remediation, and certain hazardous materials previously used on the property have migrated into neighboring third party areas. These environmental issues arose from the use of chlorinated organic solvents including tetrachloroethylene ( PCE ) and trichloroethylene ( TCE ). As a condition to the purchase, we entered into an agreement with the Pennsylvania Department of Environmental Protection ( PADEP ) pursuant to which: (a) we agreed to remediate all known environmental conditions relating to the property to a specified industrial standard, with our costs for remediating such conditions being capped at \$4.0 million; (b) PADEP released Murata from further claims by Pennsylvania under specified state laws for the known environmental conditions; and (c) we purchased an insurance policy providing clean-up cost cap coverage (for known and unknown pollutants) with a combined coverage limit of approximately \$8.2 million, and pollution legal liability coverage (for possible third party claims) with an aggregate coverage limit of \$25.0 million. The total premium cost for the insurance policy, which has a ten year term and an aggregate deductible of \$650,000, was \$4.8 million. The cost of the insurance associated with the environmental clean-up (\$3.6 million) is being charged to general and administrative expense in direct proportion to the actual remediation costs incurred. The cost of the insurance associated with the pollution legal liability coverage (\$1.2 million) is being charged to general and administrative expense on a pro rata basis over the ten year policy term.

Based upon our environmental review of the property, we recorded a liability of \$2.9 million to cover probable future environmental expenditures related to the remediation, the cost of which is expected to be entirely covered by the insurance policy. As of November 30, 2007, remediation expenditures of \$1.2 million have been incurred and charged against the environmental liability, with all such expenditures being reimbursed by the insurance carrier. The remaining aggregate undiscounted expenditures of \$1.7 million, which are anticipated to be incurred over the next eight years, principally consist of: (a) continued operation and monitoring of the existing on-site groundwater extraction, treatment, and recharge system; (b) implementation of a chemical oxidation system, subject to the results of a laboratory treatability study; (c) completion of soil investigations to determine the extent of potential soil contamination; (d) excavation and off-site disposal of soil containing contaminants above acceptable standards; and (e) implementation of soil vapor extraction systems in certain areas. Depending upon the results of future environmental testing and remediation actions, it is possible that the ultimate costs incurred could exceed the current aggregate estimate of \$2.9 million. We expect such increase, if any, to be entirely covered by the insurance policy. Insurance recoveries for actual environmental remediation costs incurred are recorded when it is probable that such insurance reimbursement will be received and the related amounts are determinable. Such insurance recoveries are credited to the Company's general and administrative expense. Based on the current remediation plan, \$356,000 of the total remediation costs are expected to be incurred during the next twelve months.

We are subject to various laws and governmental regulations concerning environmental matters and employee safety and health in the United States and other countries. U.S. federal environmental legislation having particular impact on us includes the Toxic Substances Control Act; the Resource Conservation and Recovery Act; the Clean Air Act; the Clean Water Act; and the Safe Drinking Water Act. We also are subject to regulation by the Occupational Safety and Health Administration ( OSHA ) concerning employee safety and health matters. The United States Environmental Protection Agency ( EPA ), OSHA, and other federal agencies have the authority to promulgate regulations that have an impact on our operations.



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## **Table of Contents**

### **Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

In addition to these federal agencies, various states have been delegated certain authority under the aforementioned federal statutes. Many state and local governments have adopted environmental and employee safety and health laws and regulations, some of which are similar to federal requirements. State and federal authorities may seek fines and penalties for violation of these laws and regulations. As part of our continuing environmental program, we have been able to comply with such proceedings and orders without any materially adverse effect on our business. We are not currently involved in any legal proceedings involving environmental matters.

### **Impact of Inflation**

In recent years, inflation has not had a significant impact on our operations. However, we continuously monitor operating price increases, particularly in connection with the supply of precious metals used in our manufacturing of certain ceramic capacitors. To the extent permitted by competition, we pass increased costs on to our customers by increasing sales price over time. Sales price increases, however, were not significant in any of the years presented herein.

### **Recent Accounting Pronouncements**

In June 2006, the Financial Accounting Standards Board ( FASB ) issued Interpretation No. 48, Accounting for Uncertainty in Income Taxes ( an Interpretation of FASB Statement No. 109 ( FIN 48 ). FIN 48 clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements in accordance with Financial Accounting Standards No. 109, Accounting for Income Taxes . FIN 48 prescribes a minimum recognition threshold and measurement attributes for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. FIN 48 also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. FIN 48 is effective for fiscal years beginning after December 15, 2006 (the Company's 2008 fiscal year).

In September 2006, the FASB issued Statement of Financial Accounting Standards No. 157, Fair Value Measurements ( SFAS No. 157 ). SFAS No. 157, defines fair value, establishes a framework for measuring fair value in generally accepted accounting principles ( GAAP ), and expands disclosures about fair value measurements. Prior to this Statement, there were different definitions of fair value and limited guidance for applying those definitions in GAAP. SFAS No. 157 applies under other accounting pronouncements that require or permit fair value measurements, the FASB having previously concluded in those accounting pronouncements that fair value is the relevant measurement attribute. Accordingly, this Statement does not require any new fair value measurements. However, for some entities, the application of SFAS No. 157 will change current practice. This Statement is effective for financial statements issued for fiscal years beginning after November 15, 2007, and interim periods within those fiscal years (the Company's 2008 fiscal year).

In February 2007, the FASB issued Statement of Financial Accounting Standards No. 159, The Fair Value Option for Financial Assets and Financial Liabilities ( SFAS No. 159 ). SFAS No. 159 provides the option to report certain financial assets and liabilities at fair value, with the intent to mitigate volatility in financial reporting that can occur when related assets and liabilities are recorded on different bases. This Statement is effective as of the beginning of an entity's first fiscal year that begins after November 15, 2007 (the Company's 2008 fiscal year).

We do not expect the adoption of FIN 48, SFAS No. 157, or SFAS No. 159 to have a material impact on our financial position, results of operations, or cash flows.

### **Critical Accounting Policies**

The methods, estimates and judgments we use in applying our most critical accounting policies have a significant impact on the results we report in our financial statements. The U.S. Securities and Exchange Commission has defined the most critical accounting policies as the ones that are most important to the portrayal of our financial condition and results, and require us to make our most difficult and subjective judgments, often as a result of the need to make estimates of matters that are inherently uncertain. Based on this definition, we believe our most critical accounting policies relate to the valuation and carrying amounts of accounts receivable, inventories, long-lived assets, and deferred tax assets.

**Table of Contents**

**Management's Discussion and Analysis of Financial Condition and Results of Operations (Continued)**

We evaluate the collectibility of our accounts receivable based on a combination of factors including an assessment of the customer's financial condition and the length of time a receivable is past due. At November 30, 2007, our allowance for doubtful accounts was \$971,000 or approximately 3.7% of our aggregate accounts receivable. In determining the adequacy of this allowance, we have assumed that market conditions in the communications equipment industry will improve during fiscal 2008. If this improvement does not occur, or if current market conditions deteriorate, our customers may not be able to meet their financial obligations to us. Accordingly, our estimate of the recoverability of amounts due us could be reduced by a material amount.

At November 30, 2007, we had recorded inventory reserves in the aggregate amount of \$1.2 million for excess and slow-moving items. In determining the adequacy of these reserves, we considered numerous factors including current customer forecasts and estimated usage. Should these forecasts and estimates change due to market, technological or other factors, the net realizable value of our inventories may be materially less than our current carrying values.

We review goodwill for possible impairment at least annually. Impairment losses are recognized when the implied fair value of goodwill is less than its carrying value. The implied fair value of goodwill is contingent upon many factors, including estimates of future discounted operating cash flows. Long-lived assets other than goodwill are reviewed for impairment whenever indicators of possible impairment exist. Impairments are recognized when the expected future operating cash flows derived from such assets are less than their carrying values. No impairment losses (other than losses for certain tangible assets damaged or destroyed by Hurricane Katrina) have been recognized in any of the periods presented herein. However, our future cash flow expectations assume that market conditions throughout the communications equipment industry will improve and conditions throughout the military/defense sector will continue to be strong. If long-term market conditions do not improve, or in fact deteriorate, our long-lived assets may become materially impaired.

We record valuation allowances to reduce deferred tax assets when it is more likely than not that some portion of the asset may not be realized. Presently, we believe that all deferred tax assets will more likely than not be realized and a valuation allowance is not required. We evaluate the need for valuation allowances on a regular basis and make adjustments as needed. These adjustments, when made, may have a materially negative impact on our financial statements.



**Table of Contents**

**ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA**

The following consolidated financial statements of Spectrum Control, Inc. and subsidiaries are included herein:

	<b>Page Number</b>
<u>Report of Independent Registered Public Accounting Firm</u>	37
<u>Consolidated Balance Sheets as of November 30, 2007 and 2006</u>	38
<u>Consolidated Statements of Income for the years ended November 30, 2007, 2006, and 2005</u>	39
<u>Consolidated Statements of Stockholders' Equity for the years ended November 30, 2007, 2006, and 2005</u>	40
<u>Consolidated Statements of Cash Flows for the years ended November 30, 2007, 2006, and 2005</u>	41
<u>Notes to Consolidated Financial Statements</u>	42-64

**Table of Contents**

**Report of Independent Registered Public Accounting Firm**

**The Board of Directors and Stockholders**

**Spectrum Control, Inc.**

We have audited the accompanying consolidated balance sheets of Spectrum Control, Inc. and subsidiaries as of November 30, 2007 and 2006, and the related consolidated statements of income, stockholders' equity, and cash flows for each of the three years in the period ended November 30, 2007. Our audits also included the financial statement schedule listed in the Index at Item 15(a). These financial statements and schedule are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements and schedule 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 audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the consolidated financial position of Spectrum Control, Inc. and subsidiaries at November 30, 2007 and 2006, and the consolidated results of their operations and their cash flows for each of the three years in the period ended November 30, 2007, in conformity with U.S. generally accepted accounting principles. Also, in our opinion, the related financial statement schedule, when considered in relation to the basic financial statements taken as a whole, presents fairly in all material respects the information set forth therein.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), Spectrum Control, Inc.'s internal control over financial reporting as of November 30, 2007, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated February 11, 2008, expressed an unqualified opinion thereon.

ERNST & YOUNG LLP

Pittsburgh, Pennsylvania

February 11, 2008

**Table of Contents****SPECTRUM CONTROL, INC. AND SUBSIDIARIES****CONSOLIDATED BALANCE SHEETS****NOVEMBER 30, 2007 AND 2006****(Dollar Amounts in Thousands)**

	<b>2007</b>	<b>2006</b>
<b>Assets</b>		
Current assets		
Cash and cash equivalents	\$ 5,183	\$ 3,501
Accounts receivable, less allowances of \$ 971 in 2007 and \$ 851 in 2006	25,461	22,676
Insurance recovery receivable		1,500
Inventories	25,458	21,754
Deferred income taxes	1,332	1,253
Prepaid expenses and other current assets	911	1,778
<b>Total current assets</b>	<b>58,345</b>	<b>52,462</b>
Property, plant and equipment, net	26,177	24,236
Other assets		
Goodwill	35,669	34,508
Other noncurrent assets	6,728	8,001
<b>Total other assets</b>	<b>42,397</b>	<b>42,509</b>
<b>Total assets</b>	<b>\$ 126,919</b>	<b>\$ 119,207</b>
<b>Liabilities and Stockholders' Equity</b>		
Current liabilities		
Short-term debt	\$ 2,000	\$ 9,000
Accounts payable	6,764	7,227
Income taxes payable	1,391	71
Accrued liabilities	4,813	4,061
Current portion of long-term debt	100	295
<b>Total other assets</b>	<b>15,068</b>	<b>20,654</b>
Long-term debt	1,031	1,131
Other liabilities	1,370	2,013
Deferred income taxes	7,582	6,810
Stockholders' equity		
Common stock, no par value, authorized 25,000,000 shares, issued 14,128,914 shares in 2007 and 13,874,767 shares in 2006	46,950	45,361
Retained earnings	57,753	46,612
Treasury stock, 676,000 shares in 2007 and 2006, at cost	(3,628)	(3,628)
Accumulated other comprehensive income	793	254
<b>Total stockholders' equity</b>	<b>101,868</b>	<b>88,599</b>

Total liabilities and stockholders' equity	\$ 126,919	\$ 119,207
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The accompanying notes are an integral part of the consolidated financial statements.

**Table of Contents****SPECTRUM CONTROL, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF INCOME****FOR THE YEARS ENDED NOVEMBER 30, 2007, 2006 AND 2005****(Amounts in Thousands Except Per Share Data)**

	<b>2007</b>	<b>2006</b>	<b>2005</b>
Net sales	\$ 136,539	\$ 125,672	\$ 98,354
Cost of products sold	100,176	96,892	72,579
Gross margin	36,363	28,780	25,775
Selling, general and administrative expense	18,499	19,466	18,641
Income from operations	17,864	9,314	7,134
Other income (expense):			
Interest expense	(561)	(545)	(110)
Other income and expense, net	255	270	299
	(306)	(275)	189
Income before provision for income taxes	17,558	9,039	7,323
Provision for income taxes	6,417	3,168	2,718
Net income	\$ 11,141	\$ 5,871	\$ 4,605
Earnings per common share:			
Basic	\$ 0.83	\$ 0.45	\$ 0.35
Diluted	\$ 0.81	\$ 0.44	\$ 0.35
Weighted average common shares outstanding:			
Basic	13,359	13,127	13,054
Diluted	13,798	13,381	13,160

The accompanying notes are an integral part of the consolidated financial statements.

**Table of Contents****SPECTRUM CONTROL, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY****FOR THE YEARS ENDED NOVEMBER 30, 2007, 2006 AND 2005****(Dollar Amounts in Thousands)**

	Common Stock		Retained Earnings	Treasury Stock	Accumulated Other Comprehensive Income (Loss)	Total Stockholders' Equity
	Shares	Amount				
Balance November 30, 2004	13,705,552	\$ 44,207	\$ 36,136	\$ (3,628)	\$ 127	\$ 76,842
Net income			4,605			4,605
Foreign currency translation adjustments					(255)	(255)
Comprehensive income						4,350
Issuance of common stock upon exercise of employee stock options	32,266	167				167
Tax benefits from exercise of stock options		2				2
Balance November 30, 2005	13,737,818	44,376	40,741	(3,628)	(128)	81,361
Net income			5,871			5,871
Foreign currency translation adjustments					382	382
Comprehensive income						6,253
Issuance of common stock upon exercise of employee stock options	186,467	1,073				1,073
Purchase and retirement of common stock	(49,518)	(419)				(419)
Tax benefits from exercise of stock options		123				123
Equity-based compensation		208				208
Balance November 30, 2006	13,874,767	45,361	46,612	(3,628)	254	88,599
Net income			11,141			11,141
Foreign currency translation adjustments					539	539
Comprehensive income						11,680
Issuance of common stock upon exercise of employee stock options	308,167	1,922				1,922
Purchase and retirement of common stock	(54,020)	(718)				(718)
Tax benefits from exercise of stock options		356				356
Equity-based compensation		29				29
Balance November 30, 2007	14,128,914	\$ 46,950	\$ 57,753	\$ (3,628)	\$ 793	\$ 101,868

The accompanying notes are an integral part of the consolidated financial statements.



**Table of Contents****SPECTRUM CONTROL, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CASH FLOWS****FOR THE YEARS ENDED NOVEMBER 30, 2007, 2006 AND 2005****(Dollar Amounts in Thousands)**

	2007	2006	2005
<b>Cash Flows From Operating Activities :</b>			
Net income	\$ 11,141	\$ 5,871	\$ 4,605
Adjustments to reconcile net income to net cash provided by operating activities :			
Depreciation	3,925	3,258	3,184
Amortization	898	853	626
Deferred income taxes	693	1,532	328
Equity-based compensation	29	208	
Tax benefits from exercise of stock options	(356)	(123)	2
Loss ( gain ) on sale of property, plant and equipment		204	(47)
Non-cash insurance recoveries	(743)	(418)	
Changes in assets and liabilities, excluding effects of business acquisitions :			
Accounts receivable	(2,156)	(4,950)	1,224
Inventories	(3,270)	(2,652)	(2,153)
Prepaid expenses and other assets	1,522	(3,822)	483
Accounts payable and accrued liabilities	1,906	442	681
Net cash provided by operating activities	13,589	403	8,933
<b>Cash Flows From Investing Activities :</b>			
Proceeds from sale of property, plant and equipment		246	47
Insurance proceeds related to property, plant and equipment	1,748	2,500	
Purchase of property, plant and equipment	(5,810)	(8,554)	(3,324)
Payments for acquired businesses, net of cash received	(2,365)	(9,006)	(14,586)
Net cash used in investing activities	(6,427)	(14,814)	(17,863)
<b>Cash Flows From Financing Activities :</b>			
Net proceeds ( repayments ) of short-term borrowings	(7,000)	9,000	
Repayment of long-term debt	(295)	(290)	(390)
Net proceeds from issuance of common stock	1,204	654	167
Tax benefits from exercise of stock options	356	123	
Net cash provided by ( used in ) financing activities	(5,735)	9,487	(223)
Effect of exchange rate changes on cash	255	39	4
Net increase ( decrease ) in cash and cash equivalents	1,682	(4,885)	(9,149)
Cash and cash equivalents, beginning of year	3,501	8,386	17,535
Cash and cash equivalents, end of year	\$ 5,183	\$ 3,501	\$ 8,386

The accompanying notes are an integral part of the consolidated financial statements.





**Table of Contents**

**SPECTRUM CONTROL, INC. AND SUBSIDIARIES**