

COGNEX CORP

FORM 10-K (Annual Report)

Filed 02/16/17 for the Period Ending 12/31/16

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CIK 0000851205

Symbol CGNX

SIC Code 3823 - Industrial Instruments for Measurement, Display, and Control of Process Variables; and Related Products

Industry Industrial Machinery & Equipment

Sector Industrials

Fiscal Year 12/31

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 10-K

(Mark One)						
[X] Annual report pursuant to Section 13 or 15	(d) of the S	Securities Excha	nge Act o	of 1934 for the fisca	l year ended Decembe	er 31, 2016 or
[] Transition report pursuant to Section 13 or	15(d) of th	e Securities Exc	hange Ac	ct of 1934 for the tra	ansition period from	to
·	Commi	ission File Numb	er 001-34	218		
		EX CORP				
						
(E	xact name o	of registrant as spe	ecified in i	ts cnarter)		
Massachusetts					04-2713778	
(State or other jurisdiction of incorporation or organization)					(I.R.S. Employer Identification No.)	
	Natick	One Vision Dr , Massachusetts (508) 650-300	01760-20	59		
(Ac	ddress, inclu	ıding zip code, and	d telephon	ne number,		
ir	cluding area	a code, of principa	l executiv	re offices)		
Securities registered pursuant to Section 12(b) of the Act	:					
Title of Each Class				Name of Exchar	nge on Which Registered	<u>t</u>
Common Stock, par value \$.002 per sl	nare			The NASDA	Q Stock Market LLC	
Preferred Stock Purchase Rights				The NASDA	Q Stock Market LLC	
Securities registered pursuant to Section 12(g) of the Act	:: None					
Indicate by check mark if the registrant is a well-known s	easoned iss	suer, as defined in	Rule 405	of the Securities Act	i.	
	Yes	X			No	
Indicate by check mark if the registrant is not required to	file reports p	pursuant to Sectio	n 13 or Se	ection 15(d) of the A	ct	
	Yes				No. V	
Indicate by check mark whether the registrant (1) has file		roquired to be file	nd by Soct	tion 13 or 15(d) of the	No X	et of 1034 during
the preceding 12 months (or for such shorter period that the past 90 days.						
	Yes	Х			No	
Indicate by check mark whether the registrant has submi			on its con	porate web site. if ar		a File required to b
submitted and posted pursuant to Rule 405 of Regulation submit and post such files).						
	Yes	X			No	
Indicate by check mark if disclosure of delinquent filers p the registrant's knowledge, in definitive proxy or informat						
10-K. [X] Indicate by check mark whether the registrant is a large a definitions of "large accelerated filer," "accelerated filer" a						ompany. See the
				Accelerated filer		
Non-accelerated filer (Do not check if a smaller rep	orting comp	any)		Smaller reporting of	omnany	
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Aggregate market value of voting Common stock, par value	\$.002 per sl		as of Janı	uary 29, 2017 : 86,05		
The registrant intends to file a Definitive Proxy Statemen Portions of such Proxy Statement are incorporated by re	t pursuant to	Regulation 14A	vithin 120		he fiscal year ended Dec	ember 31, 2016 .

COGNEX CORPORATION ANNUAL REPORT ON FORM 10-K FOR THE YEAR ENDED DECEMBER 31, 2016

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PART I

This Annual Report on Form 10-K contains forward-looking statements within the meaning of the Federal Securities Laws. Readers can identify these forward-looking statements by our use of the words "expects," "anticipates," "estimates," "believes," "projects," "intends," "plans," "will," "may," "shall," "could," "should," and similar words and other statements of a similar sense. Our future results may differ materially from current results and from those projected in the forward-looking statements as a result of known and unknown risks and uncertainties. Readers should pay particular attention to considerations described in the section captioned "Risk Factors," appearing in Part I - Item 1A of this Annual Report on Form 10-K. We caution readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. We disclaim any obligation to subsequently revise forward-looking statements to reflect the occurrence of anticipated or unanticipated events or circumstances after the date such statements are made.

Unless the context otherwise requires, the words "Cognex ®," the "Company," "we," "our," "us," and "our company" refer to Cognex Corporation and its consolidated subsidiaries.

ITEM 1: BUSINESS

Corporate Profile

Cognex Corporation was incorporated in Massachusetts in 1981. Our corporate headquarters are located at One Vision Drive, Natick, Massachusetts 01760 and our telephone number is (508) 650-3000.

Cognex is a leading worldwide provider of machine vision products that capture and analyze visual information in order to automate tasks, primarily in manufacturing processes, where vision is required. Machine vision products are used to automate the manufacture and tracking of discrete items, such as mobile phones, aspirin bottles, and automobile tires, by locating, identifying, inspecting, and measuring them during the manufacturing or distribution process. Machine vision is important for applications in which human vision is inadequate to meet requirements for size, accuracy, or speed, or in instances where substantial cost savings are obtained through the reduction of labor or improved product quality. Today, many types of manufacturing equipment require machine vision because of the increasing demands for speed and accuracy in manufacturing processes, as well as the decreasing size of items being manufactured.

What is Machine Vision?

Since the beginning of the Industrial Revolution, human vision has played an indispensable role in the process of manufacturing products. Human eyes did what no machines could do themselves: locating and positioning work, tracking the flow of parts, and inspecting output for quality and consistency. Today, however, the requirements of many manufacturing processes have surpassed the limits of human eyesight. Manufactured items often are produced too quickly or with tolerances too small to be analyzed by the human eye. In response to manufacturers' needs, "machine vision" technology emerged, providing manufacturing equipment with the gift of sight. Machine vision systems were first widely embraced by manufacturers of electronic components who needed this technology to produce computer chips with decreasing geometries. However, advances in technology and ease-of-use, combined with the decreasing cost of implementing vision applications, have made machine vision available to a broader range of users.

Machine vision products combine cameras with intelligent software to collect images and then answer questions about these images, such as:

Question GUIDANCE	Description	<u>Example</u>
Where is it?	Determining the exact physical location and orientation of an object.	Determining the position of a printed circuit board so that a robot can automatically be guided to place electronic components.
<u>IDENTIFICATION</u>		
What is it?	Identifying an object by analyzing its physical appearance or by reading a serial number or symbol.	Reading a two-dimensional barcode directly marked on an automotive airbag so that it can be tracked and processed correctly through manufacturing.
<u>INSPECTION</u>		
How good is it?	Inspecting an object for flaws or defects.	Checking for debris to ensure that foreign objects are not present in a product before shipping to consumers.
<u>GAUGING</u>		
What size is it?	Determining the dimensions of an object.	Determining the diameter of a bearing prior to final assembly.

Machine Vision Market

Cognex machine vision is primarily used in the manufacturing sector, where the technology is widely recognized as an important component of automated production and quality assurance. In this sector, the Company's customers are primarily in the factory automation market. Factory automation customers purchase Cognex vision products and incorporate them into their manufacturing processes. Virtually every manufacturer can achieve better quality and manufacturing efficiency by using machine vision, and therefore, this market includes a broad base of customers across a variety of industries, including consumer electronics, automotive, consumer products, food and beverage, medical devices, and pharmaceuticals. Factory automation customers also purchase Cognex products for use outside of the assembly process, such as using ID products in logistics automation for package sorting and distribution. Sales to factory automation customers represented 96% of total revenue in 2016 compared to 95% of total revenue in 2015.

A small percentage of our customers are in the semiconductor and electronics capital equipment market. These customers purchase Cognex vision products and integrate them into the automation equipment that they manufacture and then sell to their customers to either make semiconductor chips or assemble printed circuit boards. Demand from these customers has been relatively flat on an annual basis for the past several years. Sales to semiconductor and electronics capital equipment manufacturers represented only 4% of total revenue in 2016 compared to 5% of total revenue in 2015.

In 2016, 2015, and 2014, direct and indirect revenue from Apple Inc. accounted for 19%, 18%, and 16% of total revenue, respectively. In 2016, reported revenue from this customer included \$7,944,000 related to shipments from prior years for which revenue was deferred until 2016 when revenue recognition criteria were met.

Business Strategy

Our goal is to expand our position as a leading worldwide provider of machine vision products. We are selective in choosing growth opportunities that we believe will maintain our historically high gross margin percentages, which have ranged from the mid-to-high 70s for the past several years and reflect the value our customers place on our innovative products. Our strong and unique corporate culture reinforces our values of customer first and innovation, and enables us to attract and retain smart, highly-educated, experienced talent who are motivated to solve the most challenging vision tasks.

We invest heavily in research and development in order to maintain our position as a technology leader in machine vision. We invest in technology that makes vision easier to use and more affordable, and therefore, available to a broader base of customers, such as our vision sensor products that enable customers with a lower budget to use machine vision without the help of sophisticated engineers. We also invest in technology that addresses the most challenging vision applications, such as our 3D vision products that solve applications where a height or volume measurement is required. We identify large customers with high-volume applications and offer them collaborative development to deliver solutions to solve their complex vision problems.

We continue to invest in our core markets, such as consumer electronics and automotive, where we are a leading provider of vision and ID products for factory automation, while we seek opportunities to expand into adjacent markets

for vision, such as logistics, airport baggage handling, mobile terminals, life science, and collaborative robotics. We invest through internal development, as well as the acquisition of businesses and technologies.

We reach a broad base of customers through our worldwide direct sales force that sells to large, strategic customers, as well as through our network of distributors and integrators that sell to smaller customers who may be more geographically remote. We invest in emerging, high-growth regions where many manufacturers can benefit from incorporating machine vision into their production processes. This includes investment in our fast-growing region, China, where rising wages for assembly workers and a greater focus on product quality are driving assembly automation, particularly in the consumer electronics industry.

Acquisitions and Divestitures

Our business strategy includes selective expansion into new machine vision applications and markets through the acquisition of businesses and technologies. In 2016 and 2015, we completed five small business acquisitions, which were not material individually or in the aggregate. The total purchase price for each business ranged from \$2.5 million to \$8 million. In addition to completed technology and customer relationships, these acquisitions included engineering talent expected to help accelerate the development of future products. Management considers business acquisitions to be an important part of our growth strategy, and although we continue to actively seek out acquisition opportunities, we are selective in choosing businesses that we believe will enhance our long-term growth rate and profitability. We plan to continue to seek opportunities to expand our product lines, customer base, distribution network, and technical talent through acquisitions in the machine vision industry.

On July 6, 2015, we completed the sale of our Surface Inspection Systems Division (SISD) to AMETEK, Inc. for \$156 million in cash. The after-tax gain associated with this sale was \$78 million. SISD specialized in machine vision products that inspect the surfaces of materials processed in a continuous fashion. SISD did not meet our long-term objectives and its divestiture was a strategic decision for us. With this sale, we are focusing our efforts on discrete manufacturing where we see the greatest growth potential. The financial results of SISD are reported as a discontinued operation in this Annual Report on Form 10-K and all prior period comparative financial data have been reported excluding SISD.

We had previously reported SISD as one of our two segments. Given the disposition of the SISD segment, management reviewed its segment reporting and concluded that the Company now operates in one segment, machine vision technology. We offer a variety of machine vision products that have similar economic characteristics, have the same production processes, and are distributed by the same sales channels to the same types of customers. Information about segments may be found in Note 18 to the Consolidated Financial Statements, appearing in Part II - Item 8 of this Annual Report on Form 10-K.

Products

Cognex offers a full range of vision and ID products designed to meet customer needs at different performance and price points. Our products range from low-cost vision sensors that are easily integrated, to PC-based systems for users with more experience or more complex requirements. Our products also have a variety of physical forms, depending upon the user's needs. For example, customers can purchase vision software to use with their own camera and processor, or they can purchase a standalone unit that combines camera, processor, and software into a single package.

Vision Software

Vision software provides users with the most flexibility by combining the full general-purpose library of Cognex vision tools with the cameras, frame grabbers, and peripheral equipment of their choice. The vision software may run on the customer's PC, which enables easy integration with PC-based data and controls. Applications based upon Cognex vision software perform a wide range of vision tasks, including part location, identification, measurement, assembly verification, and robotic guidance. Cognex's VisionPro ® software offers an extensive suite of patented vision tools for advanced programming, while Cognex Designer allows customers to build complete vision applications with the simplicity of a graphical, flowchart-based programming environment. Cognex also offers a series of displacement sensors that are sold with vision software for use in highly demanding 3D applications.

Vision Systems

Vision systems combine camera, processor, and vision software into a single, rugged package with a simple and flexible user interface for configuring applications. These general-purpose vision systems are designed to be easily programmed to perform a wide range of vision tasks including part location, identification, measurement, assembly verification, and robotic guidance. Cognex offers the In-Sight [®] product line of vision systems in a wide range of models to meet various price and performance requirements.

Vision Sensors

Unlike general-purpose vision systems that can be programmed to perform a wide variety of vision tasks, vision sensors are designed to deliver very simple, low-cost, reliable solutions for a limited number of common vision applications such as checking the presence and size of parts. Cognex offers the In-Sight 2000 Series, which combines the power of an In-Sight vision system with the simplicity and affordability of a vision sensor.

ID Products

ID products quickly and reliably read codes (e.g., one-dimensional barcodes or two-dimensional data matrix codes) that have been applied to, or directly marked on, discrete items during the manufacturing process. Manufacturers of goods ranging from automotive parts, pharmaceutical items, aircraft components, and medical devices are increasingly using direct part mark (DPM) identification to ensure that the appropriate manufacturing processes are performed in the correct sequence and on the right parts. In addition, DPM is used to track parts from the beginning of their life to the end, and is also used in supply chain management and repair.

Cognex also offers applications in the automatic identification market outside of the manufacturing sector, such as using ID products in logistics automation for package sorting and distribution. As shipping volumes grow and more retail sales occur through ecommerce, more distribution centers are choosing to upgrade their traditional laser-based scanners to image-based barcode readers, which will cost-effectively increase package sorter efficiency and throughput by improving read rates. Cognex offers the DataMan ® product line of barcode readers, which includes both handheld and fixed-mount models, and barcode verifiers, as well as the MX-1000 Series of vision-enabled Mobile Terminals that allow customers to leverage the latest mobile device technology for industrial barcode reading applications.

Research, Development, and Engineering

Cognex engages in research, development, and engineering (RD&E) to enhance our existing products and to develop new products and functionality to meet market opportunities. In addition to internal research and development efforts, we intend to continue our strategy of gaining access to new technology through strategic relationships and acquisitions where appropriate.

As of December 31, 2016, Cognex employed 387 professionals in RD&E, many of whom are software developers. Cognex's RD&E expenses totaled \$78,269,000 in 2016, \$69,791,000 in 2015, and \$55,831,000 in 2014, or approximately 15%, 15%, and 13% of revenue, respectively. We believe that a continued commitment to RD&E activities is essential in order to maintain or achieve product leadership with our existing products and to provide innovative new product offerings, as well as to provide engineering support for large customers. In addition, we consider our ability to accelerate time-to-market for new products to be critical to our revenue growth. Therefore, we expect to continue to make significant RD&E investments in the future. At any point in time, we have numerous research and development projects underway. Although we target our annual RD&E spending to be between 10% and 15% of total revenue, this percentage is impacted by revenue levels and investing cycles.

Manufacturing and Order Fulfillment

Cognex's products are manufactured utilizing a turnkey operation whereby the majority of component procurement, system assembly, and initial testing are performed by third-party contract manufacturers. Cognex's primary contract manufacturer is located in Indonesia. The contract manufacturers use specified components sourced from a vendor list approved by Cognex and assembly/test documentation created and controlled by Cognex. Certain components are presently sourced from a single vendor that is selected based upon price and performance considerations. In the event of a supply disruption from a single-source vendor, these components may be purchased from an alternative vendor.

After the completion of initial testing, a fully assembled product from the contract manufacturers is routed to our facility in Cork, Ireland or Natick, Massachusetts, USA, where trained Cognex personnel load the software onto the product and perform quality control procedures. Finished product for customers in the Americas is then shipped from our Natick, Massachusetts facility, while finished product for customers outside of the Americas is shipped from our Cork, Ireland facility.

Sales Channels and Support Services

Cognex sells its products through a worldwide direct sales force that focuses on the development of strategic accounts that generate or are expected to generate significant sales volume, as well as through a global network of integration and distribution partners. Our integration partners are experts in vision and complementary technologies that can provide turnkey solutions for complex automation projects using vision, and our distribution partners provide sales and local support to help Cognex reach the many prospects for our products in factories around the world.

As of December 31, 2016, Cognex's sales force consisted of 540 professionals, and our partner network consisted of 468 active integrators and authorized distributors. Sales engineers call directly on targeted accounts, with the assistance of application engineers, and manage the activities of our partners within their territories in order to provide the most advantageous sales model for our products. The majority of our sales engineers are degreed engineers. Cognex has sales and support personnel located throughout the Americas, Europe, and Asia.

Sales to customers based outside of the United States represented approximately 74% of total revenue in 2016 compared to approximately 73% of total revenue in 2015. In 2016, approximately 45% of our total revenue came from customers based in Europe, 12% from customers based in Greater China, 6% from customers based in Japan, and 11% from customers based in other regions outside the United States. Sales to customers based in Europe are denominated in Euros and U.S. Dollars, sales to customers based in Greater China are denominated in Yuan for sales within Mainland China and U.S. Dollars in other territories, sales to customers based in Japan are predominantly denominated in Yen, and sales to customers based in other regions are denominated in U.S. Dollars. Financial information about geographic areas may be found in Note 18 to the Consolidated Financial Statements, appearing in Part II - Item 8 of this Annual Report on Form 10-K.

Cognex's service offerings include maintenance and support, consulting, and training services. Maintenance and support programs include hardware support programs that entitle customers to have failed products repaired, as well as software support programs that provide customers with application support and software updates on the latest software releases. Application support is provided by technical support personnel located at Cognex regional offices, as well as by field service engineers that provide support at the customer's production site. We provide consulting services that range from a specific area of functionality to a completely integrated vision application or installed ID application. Training services include a variety of product courses that are available at our offices worldwide, at customer facilities, and on computer-based tutorials, video, and the internet.

Intellectual Property

We rely on the technical expertise, creativity, and knowledge of our personnel, and therefore, we utilize patent, trademark, copyright, and trade secret protection to maintain our competitive position and protect our proprietary rights in our products and technology. While our intellectual property rights are important to our success, we believe that our business as a whole is not materially dependent on any particular patent, trademark, copyright, or other intellectual property right.

As of December 31, 2016, Cognex had been granted, or owned by assignment, 571 patents issued worldwide and had another 415 patent applications pending worldwide. Cognex has used, registered, or applied to register a number of trademark registrations in the United States and in other countries. Cognex's trademark and servicemark portfolio includes various registered marks, including, among others, Cognex [®], VisionPro [®], In-Sight [®], and DataMan [®], as well as many common-law marks.

Compliance with Environmental Provisions

Cognex's capital expenditures, earnings, and competitive position are not materially affected by compliance with federal, state, and local environmental provisions which have been enacted or adopted to regulate the distribution of materials into the environment.

Competition

The machine vision market is fragmented and our competitors are typically other vendors of machine vision systems, controllers, and components; manufacturers of image processing systems, sensors, and components; and system integrators. In addition, in the semiconductor and electronics capital equipment market, and with respect to machine builders in the factory automation market, we compete with the internal engineering departments of current or prospective customers. In the identification and logistics market, we compete with manufacturers of automatic identification systems. Key competitors with a global presence include Keyence Corporation, Sick AG, and Omron Corporation. Any of these competitors may have greater financial and other resources than Cognex. Although we consider Cognex to be one of the leading machine vision companies in the world, reliable estimates of the machine vision market and the number of competitors are not available.

Cognex's ability to compete depends upon our ability to design, manufacture, and sell high-quality products, as well as our ability to develop new products and functionality that meet evolving customer requirements. The primary competitive factors affecting the choice of a machine vision or ID system include vendor reputation, product functionality and performance, ease of use, price, and post-sales support. The importance of each of these factors varies depending upon the specific customer's needs.

Backlog

As of December 31, 2016, backlog, which includes deferred revenue, totaled \$39,335,000, compared to \$27,020,000 as of December 31, 2015. Backlog reflects customer purchase orders for products scheduled for shipment primarily within 120 days for customers in the logistics industry and primarily within 60 days for customers in all other industries. The level of backlog at any particular date is not necessarily indicative of future revenue. Delivery schedules may be extended and orders may be canceled at any time subject to certain cancellation penalties.

Employees

As of December 31, 2016, Cognex employed 1,421 persons, including 731 in sales, marketing, and service activities; 387 in research, development, and engineering; 140 in manufacturing and quality assurance; and 163 in information technology, finance, and administration. Of our 1,421 employees, 786 are based outside of the United States. None of our employees are represented by a labor union and we have experienced no work stoppages. We believe that our employee relations are good.

Available Information

Cognex maintains a website on the World Wide Web at www.cognex.com. We make available, free of charge, on our website in the "Company" section under the caption "Investor Information" followed by "Financial Information" and then "SEC Filings," our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K, including exhibits, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, as soon as reasonably practicable after such reports are electronically filed with, or furnished to, the SEC. Cognex's reports filed with, or furnished to, the SEC are also available at the SEC's website at www.sec.gov. Information contained on our website is not a part of, or incorporated by reference into, this Annual Report on Form 10-K.

ITEM 1A: RISK FACTORS

The risks and uncertainties described below are not the only ones that we face. Additional risks and uncertainties that we are unaware of, or that we currently deem immaterial, also may become important factors that affect our company in the future. If any of these risks were to occur, our business, financial condition, or results of operations could be materially and adversely affected. This section includes or refers to certain forward-looking statements. We refer you to the explanation of the qualifications and limitations on such forward-looking statements, appearing under the heading "Forward-Looking Statements" in Part II - Item 7 of this Annual Report on Form 10-K.

The loss of a large customer could have an adverse effect on our business.

Revenue from a single customer accounted for 19%, 18%, and 16% of total revenue in 2016, 2015, and 2014, respectively. Customers of this size may divert management's attention from other operational matters and pull resources from other areas of the business, resulting in potential loss of revenue from other customers. In addition, customers of this size may receive preferred pricing and a higher level of post-sale support, which may lower our gross margin percentage. Furthermore, we have extended credit terms to this customer, resulting in large expenditures for inventory months in advance of cash collection, as well as large accounts receivable balances denominated in U.S. Dollars on our Irish subsidiary's Eurodenominated books that exposes us to foreign currency gains or losses while these receivables are outstanding. In certain instances due to long supplier lead times, we have purchased inventory in advance of receipt of a customer purchase order, which exposes us to an increased risk of excess or obsolete inventory and resulting charges.

As a large portion of our sales are through resellers however, there may be end customers of our resellers that are large consumers of our products. Furthermore, there may be industry leaders that are able to exert purchasing power over their vendors' supply chains, particularly in the automotive and consumer electronics industries. Our expansion within the factory automation marketplace has reduced our reliance upon the revenue from any one customer. Nevertheless, the loss of, or significant curtailment of purchases by, any one or more of our larger customers could have a material adverse effect on our operating results.

Global economic conditions may negatively impact our operating results.

Our revenue levels are impacted by global economic conditions, as we have a significant business presence in many countries throughout the world. If global economic conditions were to deteriorate, our revenue and our ability to generate operating profits could be materially adversely affected.

As a result of global economic conditions, our business is subject to the following risks, among others:

- our customers may not have sufficient cash flow or access to financing to purchase our products,
- our customers may not pay us within agreed upon terms or may default on their payments altogether,
- our vendors may be unable to fulfill their delivery obligations to us in a timely manner,
- lower demand for our products may result in charges for excess and obsolete inventory if we are unable to sell inventory that is
 either already on hand or committed to purchase,
- lower cash flows may result in impairment charges for acquired intangible assets or goodwill,
- a decline in our stock price may make stock options a less attractive form of compensation and a less effective form of retention for our employees, and
- the trading price of our common stock may be volatile.

As of December 31, 2016, the Company had \$745 million in cash and investments. In addition, Cognex has no long-term debt and we do not anticipate needing debt financing in the near future. We believe that our strong cash position puts us in a relatively good position to weather another economic downturn. Nevertheless, our operating results have been materially adversely affected in the past, and could be materially adversely affected in the future, as a result of unfavorable economic conditions and reduced capital spending by manufacturers worldwide.

A downturn in the consumer electronics or automotive industries may adversely affect our business.

In 2016, the largest industries that we served in the factory automation market were the consumer electronics and automotive industries. Our business is impacted by the level of capital spending in these industries, as well as the product design cycles of our major customers in these industries. The market leaders in these industries are able to exert purchasing power over their vendors' supply chains, and our large customers in these industries may decide to purchase fewer products from Cognex or stop purchasing from Cognex altogether. As a result, our operating results could be materially and adversely affected by declining sales in these industries.

Our inability to penetrate new markets may impede our revenue growth.

We are pursuing applications in the automatic identification market outside of the manufacturing sector, such as using ID products in logistics automation for package sorting and distribution. As shipping volumes grow, more distribution centers are choosing to upgrade their traditional laser-based scanners to image-based barcode readers, which will cost-effectively increase package sorter efficiency and throughput by improving read rates. Cognex has introduced image-based barcode readers in order to penetrate the ID logistics market and grow our ID Products business beyond the traditional manufacturing sector that we currently serve. Our growth plan is dependent upon successfully penetrating the ID logistics market and we are making significant investments in this area. Therefore, our failure to generate revenue in this new market in the amounts or within the time periods anticipated may have a material adverse impact on our revenue growth and operating results.

Economic, political, and other risks associated with international sales and operations could adversely affect our business and operating results.

Recent political developments, including the Brexit vote in the U.K. and the presidential election in the U.S., may impact global economic conditions, and in turn, our revenue levels. In 2016, approximately 74% of our revenue was derived from customers located outside of the United States. We anticipate that international sales will continue to account for a significant portion of our revenue. In addition, certain of our products are assembled by third-party contract manufacturers, primarily located in Indonesia. We intend to continue to expand our sales and operations outside of the United States and expand our presence in international emerging markets. As a result, our business is subject to the risks inherent in international sales and operations, including, among other things:

- various regulatory and statutory requirements,
- difficulties in injecting and repatriating cash,
- export and import restrictions,
- transportation delays,
- employment regulations and local labor conditions,
- difficulties in staffing and managing foreign sales operations,
- instability in economic or political conditions,

- difficulties protecting intellectual property,
- business systems connectivity issues, and
- potentially adverse tax consequences.

Any of these factors could have a material adverse effect on our operating results.

Fluctuations in foreign currency exchange rates and the use of derivative instruments to hedge these exposures could adversely affect our reported results, liquidity, and competitive position.

We face exposure to foreign currency exchange rate fluctuations, as a significant portion of our revenues, expenses, assets, and liabilities are denominated in currencies other than the functional currencies of our subsidiaries or the reporting currency of our company, which is the U.S. Dollar. In certain instances, we utilize forward contracts to hedge against foreign currency fluctuations. These contracts are used to minimize foreign currency gains or losses, as the gains or losses on the derivative are intended to offset the losses or gains on the underlying exposure. We do not engage in foreign currency speculation. If the counterparty to any of our hedging arrangements experiences financial difficulties, or is otherwise unable to honor the terms of the contract, we may experience material losses.

Our foreign currency hedging program includes foreign currency cash flow hedges that protect our budgeted revenues and expenses against foreign currency exchange rate changes compared to our budgeted rates. These derivatives are designated for hedge accounting, and therefore, the effective portion of the forward contract's gain or loss is reported in shareholders' equity as other comprehensive income (loss) and is reclassified into current operations as the hedged transaction impacts current operations. Should these hedges fail to qualify for hedge accounting or be ineffective, the gain or loss on the forward contract would be reported in current operations immediately as opposed to when the hedged transaction impacts current operations. This may result in material foreign currency gains or losses.

The success of our foreign currency risk management program depends upon forecasts of transaction activity denominated in various currencies. To the extent that these forecasts are overstated or understated during periods of currency volatility, we could experience unanticipated foreign currency gains or losses that could have a material impact on our results of operations. Furthermore, our failure to identify new exposures and hedge them in an effective manner may result in material foreign currency gains or losses.

A significant portion of our revenues and expenses are denominated in the Euro, the Japanese Yen, and the Chinese Yuan, also known as Renminbi. Our predominant currency of sale is the U.S. Dollar in the Americas, the Euro and U.S. Dollar in Europe, the Yuan in Mainland China, the Yen in Japan, and the U.S. Dollar in other regions. We estimate that approximately 43% of our sales in 2016 were invoiced in currencies other than the U.S. Dollar, and we expect sales denominated in foreign currencies to continue to represent a significant portion of our total revenue. While we also have expenses denominated in these same foreign currencies, the impact on revenues has historically been, and is expected to continue to be, greater than the offsetting impact on expenses. Therefore, in times when the U.S. Dollar strengthens in relation to these foreign currencies, we would expect to report a net decrease in operating income. Conversely, in times when the U.S. Dollar weakens in relation to these foreign currencies, we would expect to report a net increase in operating income. Thus, changes in the relative strength of the U.S. Dollar may have a material impact on our operating results.

Information security breaches or business system disruptions may adversely affect our business.

We rely on our information technology infrastructure and management information systems to effectively run our business. We may be subject to information security breaches caused by hacking, malicious software, or acts of vandalism or terrorism. Our security measures or those of our third-party service providers may not detect or prevent such breaches. Any such compromise to our information security could result in theft of our intellectual property, a misappropriation of our cash or other assets, an interruption in our operations, the unauthorized publication of our confidential business or proprietary information, the unauthorized release of customer, vendor, or employee data, the violation of privacy or other laws, and the exposure to litigation, any of which could harm our business and operating results.

Disruptions with our management information systems may cause significant business disruption. In 2017, we expect to begin work to replace our Enterprise Resource Planning (ERP) system, which is the management information system that integrates our manufacturing, order fulfillment, and financial activities. We expect the new system to be placed into service either late in 2017 or early in 2018. Replacing an ERP system is a significant investment in terms of both time and money, and may divert management's attention from other operational matters. The conversion from the old system to the new system may result in significant business disruption, including our ability to process orders, ship products, invoice customers, process payments, and otherwise run our business. Any disruption occurring with our ERP system, or any of our other management information systems, may have a material adverse effect on our operating results.

Our business could suffer if we lose the services of, or fail to attract, key personnel.

We are highly dependent upon the management and leadership of Robert J. Shillman, our Chairman of the Board of Directors and Chief Culture Officer, and Robert J. Willett, our President and Chief Executive Officer, as well as other members of our senior management team. Although we have many experienced and qualified senior managers, the loss of key personnel could have a material adverse effect on our company. Our continued growth and success also depends upon our ability to attract and retain skilled employees and on the ability of our officers and key employees to effectively manage the growth of our business through the implementation of appropriate management information systems and internal controls.

We have historically used stock options as a key component of our employee compensation program in order to align employee interests with the interests of our shareholders, provide competitive compensation and benefits packages, and encourage employee retention. We are limited as to the number of options that we may grant under our stock option plans. Accordingly, we may find it difficult to attract, retain, and motivate employees, and any such difficulties could materially adversely affect our business.

The failure of a key supplier to deliver quality product in a timely manner or our inability to obtain components for our products could adversely affect our operating results.

A significant portion of our product is manufactured by a third-party contractor located in Indonesia. This contractor has agreed to provide Cognex with termination notification periods and last-time-buy rights, if and when that may be applicable. We rely upon this contractor to provide quality product and meet delivery schedules. We engage in extensive product quality programs and processes, including actively monitoring the performance of our third-party manufacturers; however, we may not detect all product quality issues through these programs and processes.

Certain components are presently sourced from a single vendor that is selected based on price and performance considerations. In the event of a supply disruption from a single-source vendor, these components may be purchased from an alternative vendor, which may result in manufacturing delays based on the lead time of the new vendor. Certain key electronic and mechanical components that are purchased from strategic suppliers, such as processors or imagers, are fundamental to the design of Cognex products. A disruption in the supply of these key components, such as a last-time-buy announcement, natural disaster, financial bankruptcy, or other event, may require us to purchase a significant amount of inventory at unfavorable prices resulting in lower gross margins and higher risk of carrying excess inventory.

We are subject to the requirements of the Dodd-Frank Wall Street Reform and Consumer Protection Act that obligates companies to inquire into the origin of conflict minerals in their supply chains. We are working with our supply chain partners to take reasonable steps to assure conflict minerals are not sourced by Cognex or our supply chain partners. These steps may include purchasing supply from alternative vendors. If we are unable to secure adequate supply from alternative vendors, we may have to redesign our products, which may lead to a delay in manufacturing and a possible loss of sales. Although we are taking certain actions to mitigate supply risk, an interruption in, termination of, or material change in the purchase terms of any key components could have a material adverse effect on our operating results.

Our failure to effectively manage product transitions or accurately forecast customer demand could result in excess or obsolete inventory and resulting charges.

Because the market for our products is characterized by rapid technological advances, we frequently introduce new products with improved ease-of-use, improved hardware performance, additional software features and functionality, or lower cost that may replace existing products. Among the risks associated with the introduction of new products are difficulty predicting customer demand and effectively managing inventory levels to ensure adequate supply of the new product and avoid excess supply of the legacy product.

We may strategically enter into non-cancelable commitments with vendors to purchase materials for our products in advance of demand to take advantage of favorable pricing or address concerns about the availability of future supplies or long lead times. This practice may expose us to an increased risk of excess or obsolete inventory and resulting charges if actual demand is lower than anticipated. Our failure to effectively manage product transitions or accurately forecast customer demand, in terms of both volume and configuration, has led to, and may again in the future lead to, an increased risk of excess or obsolete inventory and resulting charges.

Our products may contain design or manufacturing defects, which could result in reduced demand, significant delays, or substantial costs.

If flaws in either the design or manufacture of our products were to occur, we could experience a rate of failure in our products that could result in significant delays in shipment and material repair or replacement costs. Our release-to-market process may not be robust enough to detect significant design flaws or software bugs. While we engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of our component suppliers and contract manufacturers, these actions may not be sufficient to avoid a product failure rate that results in:

- substantial delays in shipment,
- significant repair or replacement costs,
- product liability claims or lawsuits, or
- potential damage to our reputation.

Any of these results could have a material adverse effect on our operating results.

Our failure to introduce new products in a successful and timely manner could result in the loss of our market share and a decrease in our revenues and profits.

The market for our products is characterized by rapidly changing technology. Accordingly, we believe that our future success will depend upon our ability to accelerate time-to-market for new products with improved functionality, ease-of-use, performance, or price. There can be no assurance that we will be able to introduce new products in accordance with scheduled release dates or that new products will achieve market acceptance. Our ability to keep pace with the rapid rate of technological change in the high-technology marketplace could have a material adverse effect on our operating results.

Product development is often a complex, time-consuming, and costly process involving significant investment in research and development with no assurance of return on investment. Our strong balance sheet allows us to continue to make significant investments in research, development, and marketing for new products and technologies. Research is by its nature speculative and the ultimate commercial success of a product depends upon various factors, many of which are not under our control. We may not achieve significant revenue from new product investments for a number of years, if at all. Moreover, new products may not generate the operating margins that we have experienced historically.

Our failure to properly manage the distribution of our products and services could result in the loss of revenues and profits.

We utilize a direct sales force, as well as a network of integration and distribution partners, to sell our products and services. Successfully managing the interaction of our direct and indirect sales channels to reach various potential customers for our products and services is a complex process. In addition, our reliance upon indirect selling methods may reduce visibility to demand and pricing issues. Each sales channel has distinct risks and costs, and therefore, our failure to implement the most advantageous balance in the sales model for our products and services could adversely affect our revenue and profitability.

If we fail to successfully protect our intellectual property, our competitive position and operating results could suffer.

We rely on our proprietary software technology and hardware designs, as well as the technical expertise, creativity, and knowledge of our personnel to maintain our position as a leading provider of machine vision products. Software piracy and reverse engineering, specifically from companies in Russia and Asia, may result in counterfeit products that are misrepresented in the market as Cognex products. Although we use a variety of methods to protect our intellectual property, we rely most heavily on patent, trademark, copyright, and trade secret protection, as well as non-disclosure agreements with customers, suppliers, employees, and consultants. We also attempt to protect our intellectual property by restricting access to our proprietary information by a combination of technical and internal security measures. These measures, however, may not be adequate to:

protect our proprietary technology,

- protect our patents from challenge, invalidation, or circumvention, or
- ensure that our intellectual property will provide us with competitive advantages.

Any of these adverse circumstances could have a material adverse effect on our operating results.

Our Company may be subject to time-consuming and costly litigation.

From time to time, we may be subject to various claims and lawsuits by competitors, customers, or other parties arising in the ordinary course of business, including lawsuits charging patent infringement, or claims and lawsuits instituted by us to protect our intellectual property or for other reasons. We may be a party to actions that are described in the section captioned "Legal Proceedings," appearing in Part I - Item 3 of this Annual Report on Form 10-K. These matters can be time-consuming, divert management's attention and resources, and cause us to incur significant expenses. Furthermore, the results of any of these actions may have a material adverse effect on our operating results.

Increased competition may result in decreased demand or prices for our products and services.

The machine vision market is fragmented and Cognex's competitors are typically other vendors of machine vision systems, controllers, and components; manufacturers of image processing systems, sensors, and components; and system integrators. Any of these competitors may have greater financial and other resources than we do. Ease-of-use and product price are significant competitive factors in the factory automation marketplace. We may not be able to compete successfully in the future and our investments in research and development, sales and marketing, and support activities may be insufficient to enable us to maintain our competitive advantage. In addition, competitive pressures could lead to price erosion that could have a material adverse effect on our gross margins and operating results. We refer you to the section captioned "Competition," appearing in Part I - Item 1 of this Annual Report on Form 10-K for further information regarding the competition that we face.

Implementation of our acquisition strategy may not be successful, which could affect our ability to increase our revenue or profitability and result in the impairment of acquired intangible assets.

We have in the past acquired, and will in the future consider the acquisition of, businesses and technologies in the machine vision industry. Our business may be negatively impacted by risks related to those acquisitions. These risks include, among others:

- the inability to find or close attractive acquisition opportunities,
- the diversion of management's attention from other operational matters.
- the inability to realize expected synergies resulting from the acquisition,
- difficulties or delays in integrating the personnel, operations, technologies, products and systems of acquired businesses,
- the failure to retain key customers or employees, and
- the impairment of acquired intangible assets resulting from lower-than-expected cash flows from the acquired assets.

Acquisitions are inherently risky and the inability to effectively manage these risks could have a material adverse effect on our operating results.

We are at risk for impairment charges with respect to our investments or for acquired intangible assets or goodwill, which could have a material adverse effect on our results of operations.

As of December 31, 2016, our investment portfolio of debt securities totaled \$666 million. These debt securities are reported at fair value, with unrealized gains and losses, net of tax, recorded in shareholders' equity as other comprehensive income (loss) since these securities are designated as available-for-sale securities. As of December 31, 2016, our portfolio of debt securities had a net unrealized gain of \$65,000. Included in this net gain, were gross unrealized losses totaling \$848,000, of which \$814,000 were in a loss position for less than twelve months and \$34,000 were in a loss position for greater than twelve months. As of December 31, 2016, these unrealized losses were determined to be temporary. However, if conditions change and future unrealized losses were determined to be other-than-temporary, we would be required to record an impairment charge.

Management monitors the carrying value of its debt securities compared to their fair value to determine whether an other-than-temporary impairment has occurred. In considering whether a decline in fair value is other-than-temporary, we consider many factors, both qualitative and quantitative. Management considers the type of security, the credit rating of the security, the length of time the security has been in a loss position, the size of the loss position, our ability and intent to hold the security to expected recovery of value, and other meaningful information. If a decline in fair value is determined to be other-than-temporary, an impairment charge would be recorded in current operations to

reduce the carrying value of the investment to its fair value. Should the fair value of investments decline in future periods below their carrying value, management will need to determine whether this decline is other-than-temporary and future impairment charges may be required.

As of December 31, 2016, we had \$95 million in acquired goodwill. The fair value of goodwill is susceptible to changes in the fair value of the reporting segment in which the goodwill resides, and therefore, a decline in our market capitalization or cash flows relative to our net book value may result in future impairment charges.

As of December 31, 2016, we had \$8 million in acquired intangible assets, consisting primarily of acquired completed technologies and customer relationships. These assets are susceptible to changes in fair value due to a decrease in the historical or projected cash flows from the use of the asset, which may be negatively impacted by economic trends. A decline in the cash flows generated by these assets, such as the revenue we are able to generate through our distribution network, may result in future impairment charges.

If we determine that any of these investments, goodwill, or intangible assets is impaired, we would be required to take a related charge to earnings that could have a material adverse effect on our results of operations.

We may have additional tax liabilities, which could adversely affect our operating results and financial condition.

We are subject to income taxes in the United States, as well as numerous foreign jurisdictions. Significant judgment is required in determining our worldwide provision for income taxes. In the ordinary course of business, there are many transactions and calculations where the ultimate tax determination is uncertain. We are regularly under audit by tax authorities. Although we believe our tax positions are reasonable, the final determination of tax audits and any related litigation could be materially different than that which is reflected in our financial statements and could have a material adverse effect on our income tax provision, net income, or cash flows in the period in which the determination is made.

ITEM 1B: UNRESOLVED STAFF COMMENTS

None

ITEM 2: PROPERTIES

In 1994, Cognex purchased and renovated a 100,000 square-foot building located in Natick, Massachusetts that serves as our corporate headquarters and is occupied by employees primarily in research, development and engineering, manufacturing and quality assurance, and information technology, finance and administration functions. In 1997, Cognex completed construction of a 50,000 square-foot addition to this building.

In 1995, Cognex purchased an 83,000 square-foot office building adjacent to our corporate headquarters that is partially occupied by employees primarily in sales, marketing, and service functions. The remainder of this building is occupied by a tenant who has a lease agreement that expires in 2021.

In 1997, Cognex purchased a three and one-half acre parcel of land adjacent to our corporate headquarters. This land is being held for future expansion.

In 2007, Cognex purchased a 19,000 square-foot building adjacent to our corporate headquarters. A portion of this facility serves as the distribution center for customers in the Americas. The remainder of this building is occupied by a tenant who has a lease agreement that expires in 2017 with a renewal option to extend the lease for five additional years.

In 2014, Cognex purchased the 50,000 square foot building in Cork, Ireland where we had previously leased space for several years. This facility serves as the distribution center for customers outside of the Americas.

Cognex conducts certain of its operations in leased facilities. These lease agreements expire at various dates through 2024. Certain of these leases contain renewal options, retirement obligations, escalation clauses, rent holidays, and leasehold improvement incentives.

ITEM 3: LEGAL PROCEEDINGS

Various claims and legal proceedings generally incidental to the normal course of business are pending or threatened on behalf of or against the Company. While we cannot predict the outcome of these matters, we believe that any liability arising from them will not have a material adverse effect on our financial position, liquidity, or results of operations.

ITEM 4: MINE SAFETY DISCLOSURES

Not applicable.

ITEM 4A: EXECUTIVE OFFICERS OF THE REGISTRANT

The following table sets forth the names, ages, and titles of Cognex's executive officers as of December 31, 2016 :

<u>Name</u>	<u>Age</u>	<u>Title</u>
Robert J. Shillman	70	Chairman of the Board of Directors and Chief Culture Officer
Robert J. Willett	49	President and Chief Executive Officer
Richard A. Morin	67	Executive Vice President of Finance and Administration and Chief Financial Officer

Executive officers are elected annually by the Board of Directors. There are no family relationships among the directors and executive officers of the Company.

Dr. Shillman, Mr. Willett, and Mr. Morin have been employed by Cognex for no less than the past five years.

PART II

ITEM 5: MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS, AND ISSUER PURCHASES OF EQUITY SECURITIES

The Company's common stock is traded on The NASDAQ Stock Market LLC, under the symbol CGNX. As of January 29, 2017, there were approximately 725 shareholders of record of the Company's common stock. The Company believes the number of beneficial owners of the Company's common stock on that date was substantially greater.

The high and low sales prices of the Company's common stock as reported by the NASDAQ Stock Market for each quarter in 2016 and 2015 were as follows:

	<u>F</u>	irst	<u>Second</u>	<u>Third</u>	<u>Fourth</u>
2016					
High	\$	41.58 \$	\$ 45.23	\$ 53.46	\$ 65.95
Low		28.01	35.15	41.93	49.68
2015					
High	\$	50.57 \$	\$ 52.48	\$ 48.56	\$ 38.06
Low		36.12	44.84	32.35	32.40

The Company's Board of Directors declared and paid cash dividends of \$0.07 per share in the second, third, and fourth quarters of 2015, as well as in the first quarter of 2016. The dividend was increased to \$0.075 per share in the second, third, and fourth quarters of 2016. The cash dividend in the second quarter of 2015 was the first dividend declared and paid since the fourth quarter of 2012 when the Company's Board of Directors accelerated dividends in advance of an increase in the federal tax on dividends paid after December 31, 2012. Future dividends will be declared at the discretion of the Company's Board of Directors and will depend upon such factors as the Board deems relevant, including, among other things, the Company's ability to generate positive cash flow from operations.

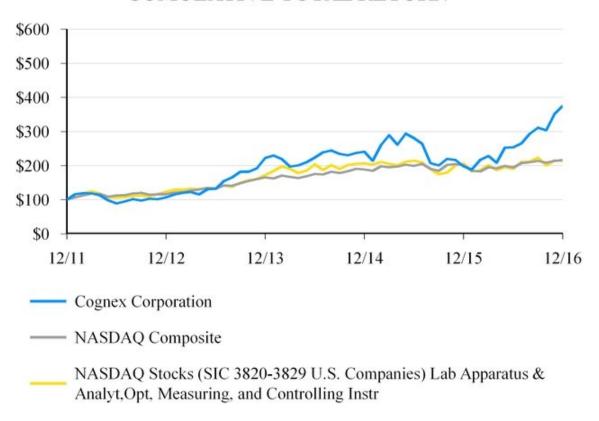
In November 2015, the Company's Board of Directors authorized the repurchase of \$100,000,000 of the Company's common stock. Purchases under this program began in the third quarter of 2016 when the prior program was completed. During the fourth quarter of 2016, the Company repurchased 480,000 shares at a cost of \$28,208,000 under this program. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock options, stock price, share availability, and cash requirements.

The following table sets forth information with respect to purchases by the Company of shares of its common stock during the fourth quarter of 2016:

	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	V Pi	Approximate Dollar alue of Shares that May Yet Be urchased Under the Plans or Programs
October 3 - October 30, 2016			_	\$	97,123,000
October 31 - November 27, 2016	210,000	55.43	210,000		85,481,000
November 28 - December 31, 2016	270,000	61.35	270,000		68,915,000
Total	480,000	58.76	480,000	\$	68,915,000

Set forth below is a line graph comparing the annual percentage change in the cumulative total shareholder return on the Company's common stock, based upon the market price of the Company's common stock, with the total return on companies within the Nasdaq Composite Index and the Research Data Group, Inc. Nasdaq Lab Apparatus & Analytical, Optical, Measuring & Controlling Instrument (SIC 3820-3829 US Companies) Index (the "Nasdaq Lab Apparatus Index"). The performance graph assumes an investment of \$100 in each of the Company and the two indices, and the reinvestment of any dividends. The historical information set forth below is not necessarily indicative of future performance. Data for the Nasdaq Composite Index and the Nasdaq Lab Apparatus Index was provided to the Company by Research Data Group, Inc.

COMPARISON OF 5 YEAR CUMULATIVE TOTAL RETURN*



*\$100 invested on 12/31/2011 in stock or index, including reinvestment of dividends. Fiscal year ended December 31.

	12/11	12/12	12/13	12/14	12/15	12/16
Cognex Corporation	100.00	107.14	222.37	240.72	197.74	374.87
NASDAQ Composite	100.00	116.41	165.47	188.69	200.32	216.54
NASDAQ Stocks	100.00	123.10	172.11	206.60	206.13	213.94
(SIC 3820-3829 U.S. Companies) Lab Apparatus & Analyt, Op	t, Measuring, and Co	ontrolling Instr				

ITEM 6: SELECTED FINANCIAL DATA

	Year Ended December 31,									
		2016		2015		2014		2013		2012
				(In thousa	ands, e	except per shar	e am	ounts)		
Statement of Operations Data:										
Revenue	\$	520,753	\$	450,557	\$	426,449	\$	307,651	\$	273,696
Cost of revenue (1)		115,590		102,571		94,067		62,889		56,161
Gross margin		405,163		347,986		332,382		244,762		217,535
Research, development, and engineering expenses (1)		78,269		69,791		55,831		44,315		37,975
Selling, general, and administrative expenses (1)		166,110		156,674		148,699		123,509		108,670
Operating income		160,784		121,521		127,852		76,938		70,890
Non-operating income		8,011		5,441		3,904		1,518		3,223
Income from continuing operations before income tax expense		168,795		126,962		131,756		78,456		74,113
Income tax expense on continuing operations		18,968	_	19,298		20,915		11,273		14,386
Net income from continuing operations	<u> </u>	149,827		107,664		110,841		67,183	· · ·	59,727
Net income (loss) from discontinued operations (1)		(255)		79,410		10,644		6,390		8,371
Net income	\$	149,572	\$	187,074	\$	121,485	\$	73,573	\$	68,098
Basic earnings per weighted-average common and common-equivalent share (2):										
Net income from continuing operations	\$	1.76	\$	1.25	\$	1.28	\$	0.77	\$	0.70
Net income (loss) from discontinued operations	\$	(0.01)	\$	0.92	\$	0.12	\$	0.08	\$	0.09
Net income	\$	1.75	\$	2.17	\$	1.40	\$	0.85	\$	0.79
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Diluted earnings per weighted-average common and common-equivalent share (2):										
Net income from continuing operations	\$	1.72	\$	1.22	\$	1.24	\$	0.76	\$	0.68
Net income (loss) from discontinued operations	\$	_	\$	0.91	\$	0.12	\$	0.07	\$	0.10
Net income	\$	1.72	\$	2.13	\$	1.36	\$	0.83	\$	0.78
Weighted-average common and common-equivalent shares outstanding (2):	S									
Basic		85,338		86,296		86,858		86,946		85,666
Diluted		87,072	_	87,991	_	89,071	_	88,901	_	87,280
	_	0.,0.2		01,001	-		_		_	01,200
Cook dividende per common abere (2)	¢	0.20	æ	0.21	ď		Œ		æ	0.77
Cash dividends per common share (2)	\$	0.30	\$	0.21	\$		\$		\$	0.77
(1) Amounts include stock-based compensation expense, as follows:										
Cost of revenue	\$	1,052	\$	1,515	\$	1,116	\$	820	\$	637
Research, development, and engineering		6,271		5,194		3,709		2,502		2,107
Selling, general, and administrative		13,235		13,032		9,234		6,461		5,216
Discontinued operations		_		1,533		1,099		837		560
Total stock-based compensation expense	\$	20,558	\$	21,274	\$	15,158	\$	10,620	\$	8,520
(2) Prior period results have been adjusted to reflect the two	o-for-	one stock spl	it eff	ected in the f	orm c	f a stock divi	dend	d which occur	red ir	າ 2013.
					D	ecember 31,				
		2016		2015	,.	2014		2013		2012
Balance Sheet Data:					11)	n thousands)				
	\$	460,571	Ф	300 006	Ф	192.252	¢	270 540	Ф	190,761
Working capital	Þ	·	\$	390,806	\$	182,252	\$	270,549	\$	
Total assets		1,038,604		887,756		821,734		709,699		627,605
Shareholders' equity		962,599		825,667		736,437		643,912		572,285

ITEM 7: MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS FORWARD-LOOKING STATEMENTS

Certain statements made in this report, as well as oral statements made by the Company from time to time, constitute forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Readers can identify these forward-looking statements by our use of the words "expects," "anticipates," "believes," "believes," "projects," "intends," "plans," "will," "may," "shall," "could," "should," and similar words and other statements of a similar sense. These statements are based upon our current estimates and expectations as to prospective events and circumstances, which may or may not be in our control and as to which there can be no firm assurances given. These forward-looking statements, which include statements regarding business and market trends, future financial performance, customer order rates, expected areas of growth, emerging markets, future product mix, research and development activities, investments, and strategic plans, involve known and unknown risks and uncertainties that could cause actual results to differ materially from those projected. Such risks and uncertainties include: (1) the loss of a large customer; (2) current and future conditions in the global economy; (3) the reliance on revenue from the consumer electronics or automotive industries; (4) the inability to penetrate new markets; (5) the inability to achieve significant international revenue; (6) fluctuations in foreign currency exchange rates and the use of derivative instruments; (7) information security breaches or business system disruptions; (8) the inability to attract and retain skilled employees; (9) the reliance upon key suppliers to manufacture and deliver critical components for our products; (10) the failure to effectively manage product transitions or accurately forecast customer demand; (11) the inability to design and manufacture high-quality products; (12) the technological obsolescence of current products and the inability to develop new products; (13) the failure to properly manage the distribution of products and services; (14) the inability to protect our proprietary technology and intellectual property; (15) our involvement in time-consuming and costly litigation; (16) the impact of competitive pressures; (17) the challenges in integrating and achieving expected results from acquired businesses; (18) potential impairment charges with respect to our investments or for acquired intangible assets or goodwill; and (19) exposure to additional tax liabilities. The foregoing list should not be construed as exhaustive and we encourage readers to refer to the detailed discussion of risk factors included in Part I - Item 1A of this Annual Report on Form 10-K. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company disclaims any obligation to subsequently revise forward-looking statements to reflect the occurrence of anticipated or unanticipated events or circumstances after the date such statements are made.

EXECUTIVE OVERVIEW

Cognex Corporation is a leading worldwide provider of machine vision products that capture and analyze visual information in order to automate tasks, primarily in manufacturing processes, where vision is required. On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD) that specialized in machine vision products that inspect the surfaces of materials processed in a continuous fashion. The financial results of SISD are reported as a discontinued operation for all periods presented.

In addition to product revenue derived from the sale of machine vision products, the Company also generates revenue by providing maintenance and support, consulting, and training services to its customers; however, service revenue accounted for less than 10% of total revenue for all periods presented.

The Company's customers are predominantly in the factory automation market. Factory automation customers purchase Cognex products and incorporate them into their manufacturing processes. Customers in the consumer electronics and automotive industries contribute the largest percentage to the Company's factory automation revenue. Virtually every manufacturer can achieve better quality and manufacturing efficiency by using machine vision, and therefore, this market also includes a broad base of customers across a variety of other industries, including consumer products, food and beverage, medical devices, and pharmaceuticals. Factory automation customers also purchase Cognex products for use outside of the manufacturing process, such as using ID products in logistics automation for package sorting and distribution. Sales to factory automation customers represented 96% of total revenue in 2016 compared to 95% of total revenue in 2015.

A small percentage of the Company's customers are in the semiconductor and electronics capital equipment market. These customers purchase Cognex products and integrate them into the automation equipment that they manufacture and then sell to their customers to either make semiconductor chips or assemble printed circuit boards. Demand from these customers has been relatively flat on an annual basis for the past several years. Sales to semiconductor and electronics capital equipment manufacturers represented only 4% of total revenue in 2016 compared to 5% of total revenue in 2015.

Revenue for the year ended December 31, 2016 totaled \$520,753,000, representing an increase of \$70,196,000, or 16%, from the prior year. Revenue increased from 2015 in all major regions across a variety of industries, including the consumer electronics, automotive, and logistics industries. Gross margin was 78% of revenue in 2016 compared to 77% of revenue in 2015. Operating expenses increased by \$17,914,000, or 8%, from the prior year due to higher incentive compensation plan accruals and higher personnel-related costs resulting primarily from headcount additions. Operating income was \$160,784,000, or 31% of revenue, in 2016 compared to \$121,521,000, or 27% of revenue, in 2015; net income from continuing operations was \$149,827,000, or 29% of revenue, in 2016 compared to \$107,664,000, or 24% of revenue, in 2015; and net income from continuing operations per diluted share was \$1.72 in 2016 compared to \$1.22 in 2015.

The following table sets forth certain consolidated financial data for continuing operations as a percentage of revenue:

	Year Ended December 31,				
	<u>2016</u>	<u>2015</u>	<u>2014</u>		
Revenue	100%	100%	100%		
Cost of revenue	22	23	22		
Gross margin	78	77	78		
Research, development, and engineering expenses	15	15	13		
Selling, general, and administrative expenses	32	35	35		
Operating income	31	27	30		
Non-operating income	1	1	1		
Income from continuing operations before income tax expense	32	28	31		
Income tax expense on continuing operations	3	4	5		
Net income from continuing operations	29%	24%	26%		

RESULTS OF OPERATIONS

As foreign currency exchange rates are a factor in understanding period-to-period comparisons, we believe the presentation of results on a constant-currency basis in addition to reported results helps improve investors' ability to understand our operating results and evaluate our performance in comparison to prior periods. We also use results on a constant-currency basis as one measure to evaluate our performance. Constant-currency information compares results between periods as if exchange rates had remained constant period-over-period. We generally refer to such amounts calculated on a constant-currency basis as excluding the impact of foreign currency exchange rate changes. Results on a constant-currency basis are not in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) and should be considered in addition to, and not as a substitute for, results prepared in accordance with U.S. GAAP.

Year Ended December 31, 2016 Compared to Year Ended December 31, 2015

Revenue

Revenue for the year ended December 31, 2016 increased by \$70,196,000, or 16%, from the prior year. Changes in foreign currency exchange rates did not have a material impact on revenue. Revenue from factory automation customers increased by \$70,737,000, or 17%, while revenue from semiconductor and electronics capital equipment manufacturers, which represented only 4% of revenue in 2016 and 5% of revenue in 2015, decreased by \$541,000, or 2%, from the prior year.

The increase in factory automation revenue was due in part to higher revenue from a material customer in the consumer electronics industry. Revenue from all other factory automation customers increased from the prior year by 15% due to a higher volume of machine vision products sold. This increase from all other factory automation customers came from all major regions, including a 12% increase from customers based in the Americas, a 17% increase from customers based in Europe, and a 19% increase from customers based in Asia.

Gross Margin

Gross margin as a percentage of revenue was 78% in 2016 compared to 77% in 2015. The increase in gross margin was due primarily to the favorable impact of material cost reductions and volume purchasing, as well as manufacturing efficiencies achieved from a higher revenue level as fixed manufacturing costs were spread over a larger revenue base. These increases were partially offset by a trend toward higher hardware content in our product sales as we

move away from software-only solutions, higher inventory charges, and an increased level of projects in the logistics industry that require installation services with lower margins.

Operating Expenses

Research, Development, and Engineering Expenses

Research, development, and engineering (RD&E) expenses in 2016 increased by \$8,478,000, or 12%, from the prior year as detailed in the table below (in thousands).

RD&E expenses in 2015	\$ 69,791
Personnel-related costs	3,615
Incentive compensation plans	3,014
Stock-based compensation expense	1,067
Other	782
RD&E expenses in 2016	\$ 78,269

RD&E expenses increased due to higher personnel-related costs resulting primarily from headcount additions to support new product initiatives and the higher business level. These headcount additions included engineering talent from four business acquisitions completed in the last few months of 2016 that are expected to help accelerate the development of future products. In addition, higher incentive compensation plan accruals were recorded in 2016 as a result of higher achievement levels based upon the Company's performance. Stock-based compensation expense was also higher than the prior year.

RD&E expenses as a percentage of revenue were 15% in both 2016 and 2015. We believe that a continued commitment to RD&E activities is essential in order to maintain or achieve product leadership with our existing products and to provide innovative new product offerings, as well as to provide engineering support for large customers. In addition, we consider our ability to accelerate time to market for new products to be critical to our revenue growth. Therefore, we expect to continue to make significant RD&E investments in the future, and we target our annual RD&E spending to be between 10% and 15% of revenue. This percentage is impacted by revenue levels and investing cycles.

Selling, General, and Administrative Expenses

Selling, general, and administrative (SG&A) expenses in 2016 increased by \$9,436,000, or 6%, from the prior year as detailed in the table below (in thousands).

SG&A expenses in 2015	\$ 156,674
Incentive compensation plans	6,388
Personnel-related costs	4,232
Sales demonstration equipment	1,159
Depreciation expense	1,500
Microscan legal fees and settlement	(5,023)
Other	1,180
SG&A expenses in 2016	\$ 166,110

SG&A expenses increased due to higher incentive compensation plan accruals, including sales commission plans and bonus plans as a result of higher achievement levels based upon the Company's performance. In addition, personnel-related costs were higher in 2016 resulting from headcount additions, principally sales personnel. The Company also increased its spending on sales demonstration equipment related to new products and incurred higher depreciation expense related primarily to information technology and facilities investments. Offsetting these increases was the settlement of patent litigation actions with Microscan Systems, Inc. in 2015. The company recorded legal fees of \$3,190,000 and a settlement expense of \$1,833,000 related to these actions in 2015.

Non-operating Income (Expense)

The Company recorded foreign currency gains of \$101,000 in 2016 and \$1,122,000 in 2015. The foreign currency gains in each period resulted primarily from the revaluation and settlement of accounts receivable, accounts payable, and intercompany balances that are reported in one currency and collected in another.

Investment income increased by \$3,365,000, or 92%, from the prior year. In 2016, the Company received \$2,257,000 in cash distributions from its limited partnership investment, of which \$942,000 was accounted for as a return of capital, reducing the carrying value of this investment to zero, with the remaining \$1,315,000 recorded as investment income. As of December 31, 2016, the fair value of this investment was approximately \$5,700,000. Future distributions will

be recorded as investment income as they occur. The remaining increase in investment income was due to increased funds available for investment, as well as higher yields on the Company's portfolio of debt securities.

The Company recorded other income of \$871,000 in 2016 and \$645,000 in 2015. Other income included a benefit of \$463,000 in 2016 and \$790,000 in 2015 resulting from a decrease in the fair value of the contingent consideration liability that arose from a 2015 business acquisition (refer to Note 20 to the Consolidated Financial Statements in Part II - Item 8 of this Annual Report on Form 10-K for further information). Other income also included a foreign government subsidy of \$422,000 in 2016 and \$268,000 in 2015. In addition, other income (expense) included rental income, net of associated expenses, from leasing space in buildings adjacent to the Company's corporate headquarters. Rental expenses declined from the prior year, while rental income was relatively flat.

Income Tax Expense

The Company's effective tax rate was 11% of the Company's pre-tax income in 2016 compared to 15% in 2015.

The effective tax rate for 2016 included a decrease in tax expense of \$11,889,000 from the excess tax benefit arising from the difference between the deduction for tax purposes and the compensation cost recognized for financial reporting purposes from stock option exercises. In 2016, the Company adopted Accounting Standards Update 2016-09, "Improvements to Employee Share-Based Payment Accounting," which was issued by the Financial Accounting Standards Board in March 2016. This Update requires excess tax benefits to be recognized as income tax benefit in the income statement. Previous guidance required excess tax benefits to be recognized as additional paid-in-capital in shareholders' equity on the balance sheet. The effective tax rate for 2016 also included the impact of the following additional discrete tax events: (1) a decrease in tax expense of \$893,000 from the expiration of the statutes of limitations for certain reserves for income tax uncertainties, (2) a decrease in tax expense of \$439,000 from the final true-up of the prior-year's tax accrual upon filing the actual tax returns, (3) an increase in tax expense of \$547,000 from a 5% withholding tax triggered by the movement of intellectual property purchased as part of a foreign business acquisition, and (4) an increase in tax expense of \$1,260,000 from the write-off of a deferred tax asset related to foreign branches resulting from an IRS rule change.

The effective tax rate for 2015 included the impact of the following discrete tax events: (1) a decrease in tax expense of \$1,105,000 from the final true-up of the prior year's tax accrual upon filing the actual tax returns, (2) a decrease in tax expense of \$975,000 from the expiration of statutes of limitations for certain reserves for income tax uncertainties, (3) a decrease in tax expense, net of reserves, of \$910,000 from the retroactive application of the 2015 research and development tax credit passed by Congress in December 2015 and applied retroactively to January 1, 2015, and (4) an increase in tax expense of \$65,000 from the write down of a deferred tax asset.

Excluding the impact of these discrete tax events, the Company's effective tax rate was 18% in both 2016 and 2015. The majority of income earned outside of the United States is permanently reinvested to provide funds for international expansion. The Company is tax resident in numerous jurisdictions around the world and has identified its major tax jurisdictions as the United States, Ireland and China. The statutory tax rate is 12.5% in Ireland and 25% in China, compared to the U.S. federal statutory corporate tax rate of 35%. International rights to certain of the Company's intellectual property are held by a subsidiary whose legal jurisdiction does not tax this income, resulting in a foreign effective tax rate lower than the above mentioned statutory rates.

Discontinued Operations

On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD) that specialized in machine vision products that inspect the surfaces of materials processed in a continuous fashion. The financial results of SISD are reported as a discontinued operation for all periods presented. Net loss from discontinued operations was \$255,000 in 2016 compared to net income of \$79,410,000 in 2015. Net income in 2015 included a gain on the sale of SISD, net of tax, of \$78,182,000. Refer to Note 19 to the Consolidated Financial Statements in Part II - Item 8 of this Annual Report on Form 10-K for further information.

A binding arbitration was concluded in the second quarter of 2016 with respect to certain product performance claims made by an SISD customer, for which the Company remained responsible under the indemnity provisions of the sale transaction. In that proceeding, the tribunal ordered the Company to pay the customer approximately \$326,000, primarily representing a refund of the product purchase price. The tribunal also ordered the customer to pay the Company approximately \$45,000, primarily representing reimbursement of legal fees. The net settlement of \$281,000 was recorded in discontinued operations in the second quarter of 2016, along with \$123,000 of legal fees. The tax benefit related to this expense was \$149,000, resulting in a net loss from discontinued operations of \$255,000.

Year Ended December 31, 2015 Compared to Year Ended December 31, 2014

Revenue

Revenue for the year ended December 31, 2015 increased by \$24,108,000, or 6%, from the prior year. Excluding the impact of foreign currency exchange rate changes, revenue increased by \$46,718,000, or 11%, as sales denominated in foreign currencies, primarily the Euro and Japanese Yen, were translated into U.S. Dollars at a lower rate. Revenue from factory automation customers increased by \$48,682,000, or 12%, on a constant-currency basis due primarily to a higher volume of machine vision products sold, with the highest growth coming from Greater China and Europe. Factory automation revenue in the Americas was relatively flat. Revenue from semiconductor and electronics capital equipment manufacturers decreased by \$1,964,000, or 7%, on a constant-currency basis from the prior year, with the majority of the decline coming from Japan.

Gross Margin

Gross margin as a percentage of revenue was 77% in 2015 compared to 78% in 2014. Changes in foreign currency exchange rates had a negative impact on gross margin, as a significant amount of revenue is denominated in Euros while inventories are predominantly purchased in U.S. Dollars. A shift in revenue mix to relatively-lower margin products and services also had a negative impact on gross margin. These gross margin decreases were partially offset by lower inventory charges in 2015 as compared to 2014.

Operating Expenses

Research, Development, and Engineering Expenses

Research, development, and engineering (RD&E) expenses in 2015 increased by \$13,960,000, or 25%, from the prior year as detailed in the table below (in thousands).

RD&E expenses in 2014	\$ 55,831
Outsourced engineering costs	6,952
Personnel-related costs	6,559
Stock-based compensation expense	1,579
Foreign currency exchange rate changes	(2,226)
Other	1,096
RD&E expenses in 2015	\$ 69,791

RD&E expenses increased due to higher personnel-related costs resulting from headcount additions, such as salaries and fringe benefits, as well as modest salary increases granted early in 2015. The Company also incurred higher spending on outsourced engineering costs, primarily related to the development of engineering prototypes for anticipated customer orders. In addition, stock-based compensation expense increased due to a higher valuation of stock options granted early in 2015. Offsetting these increases was the favorable impact on expenses of changes in foreign currency exchange rates, which resulted in lower U.S. Dollar expenses when expenses denominated in foreign currencies, primarily the Euro, were translated into U.S. Dollars.

Selling, General, and Administrative Expenses

Selling, general, and administrative (SG&A) expenses in 2015 increased by \$7,975,000, or 5%, from the prior year as detailed in the table below (in thousands).

SG&A expenses in 2014	\$ 148,699
Personnel-related costs	15,420
Stock-based compensation expense	4,082
Microscan settlement and legal fees	2,405
Incentive compensation plans	(6,226)
Foreign currency exchange rate changes	(7,896)
Other	190
SG&A expenses in 2015	\$ 156,674

SG&A expenses increased due to higher personnel-related costs resulting from headcount additions, such as salaries, fringe benefits, sales commissions, and travel expenses, as well as modest salary increases granted early in 2015. In addition, stock-based compensation expense increased due to a higher valuation of stock options granted early in 2015. Offsetting these increases were lower expenses related to incentive compensation plans, such as company

bonuses and sales commissions, resulting from lower achievement levels on plans that were set at the beginning of the year. In addition, changes in foreign currency exchange rates resulted in lower U.S. Dollar expenses when expenses denominated in foreign currencies, primarily the Euro, were translated into U.S. Dollars.

In the second quarter of 2015, the Company reached a settlement of outstanding patent litigation with Microscan Systems, Inc. for \$3,500,000. The settlement included a patent license agreement valued at \$1,667,000 that allows the Company to continue producing current models of its handheld barcode readers, which was recorded as an asset and is being amortized to cost of revenue over the five year life of the patent starting in the third quarter of 2015. The remaining \$1,833,000 of the settlement was recorded as SG&A expense in the second quarter of 2015. Legal fees related to this litigation were \$572,000 higher in 2015 than the prior year.

Non-operating Income (Expense)

The Company recorded foreign currency gains of \$1,122,000 in 2015 and \$1,031,000 in 2014. The foreign currency gains in each period resulted primarily from the revaluation and settlement of accounts receivable, accounts payable, and intercompany balances that are reported in one currency and collected in another.

Investment income increased by \$518,000, or 16%, from the prior year due to increased funds available for investment.

The Company recorded other income of \$645,000 in 2015 compared to other expense of \$283,000 in 2014. Other income in 2015 included a \$790,000 benefit resulting from a decrease in the fair value of the contingent consideration liability that arose from a business acquisition completed earlier in 2015 (refer to Note 20 to the Consolidated Financial Statements in Part II - Item 8 of this Annual Report on Form 10-K). Other income (expense) also included rental income, net of associated expenses, from leasing space in buildings adjacent to the Company's corporate headquarters.

Income Tax Expense

The Company's effective tax rate was 15% of the Company's pre-tax income in 2015 compared to 16% in 2014.

The effective tax rate for 2015 included the impact of the following discrete tax events: (1) a decrease in tax expense of \$1,105,000 from the final true-up of the prior year's tax accrual upon filing the actual tax returns, (2) a decrease in tax expense of \$975,000 from the expiration of statutes of limitations for certain reserves for income tax uncertainties, (3) a decrease in tax expense, net of reserves, of \$910,000 from the retroactive application of the 2015 research and development tax credit passed by Congress in December 2015 and applied retroactively to January 1, 2015, and (4) an increase in tax expense of \$65,000 from the write down of a deferred tax asset.

The effective tax rate for 2014 included the impact of the following discrete tax events: (1) a decrease in tax expense of \$652,000 from the final trueup on the prior year's tax accrual upon filing the actual tax returns, (2) a decrease in tax expense, net of reserves, of \$645,000 from the retroactive application of the 2014 research and development tax credit passed by Congress in December 2014 and applied retroactively to January 1, 2014, (3) a decrease in tax expense of \$418,000 from the closing of the Internal Revenue Service audit of the Company for tax years 2010 and 2011, and (4) a decrease in tax expense of \$217,000 from the expiration of the statutes of limitations for certain reserves for income tax uncertainties.

Excluding the impact of these discrete tax events, the Company's effective tax rate was relatively consistent for 2015 and 2014 at approximately 17.5%.

Discontinued Operations

On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD) that specialized in machine vision products that inspect the surfaces of materials processed in a continuous fashion. The financial results of SISD are reported as a discontinued operation for all periods presented. Income from discontinued operations, net of tax, was \$1,228,000 for the six-month period ended July 5, 2015 and was \$10,644,000 for the year ended December 31, 2014. The gain on the sale of SISD, net of tax, recorded in 2015 was \$78,182,000. Refer to Note 19 to the Consolidated Financial Statements in Part II - Item 8 of this Annual Report on Form 10-K for further information.

LIQUIDITY AND CAPITAL RESOURCES

The Company has historically been able to generate positive cash flow from operations, which has funded its operating activities and other cash requirements and has resulted in an accumulated cash and investment balance of \$745,170,000 as of December 31, 2016. The Company has established guidelines relative to credit ratings, diversification, and maturities of its investments that maintain liquidity.

The Company's cash requirements in 2016 were met with positive cash flows from operations, investment maturities, and the proceeds from stock option exercises. Cash requirements consisted of operating activities, investment purchases, the repurchase of common stock, the payment of dividends, cash paid for business acquisitions, and capital expenditures. Capital expenditures totaled \$12,816,000 in 2016 and consisted primarily of computer hardware and

software, improvements made to the Company's headquarters building in Natick, Massachusetts, and manufacturing test equipment related to new product introductions.

The following table summarizes the Company's material contractual obligations, both fixed and contingent (in thousands):

Year Ended December 31,	ry Purchase mitments	Leases	Total	
2017	\$ 3,352	\$ 5,054	\$ 8,406	
2018	_	3,303	3,303	
2019	_	2,164	2,164	
2020	_	1,853	1,853	
2021	_	1,735	1,735	
Thereafter	_	1,498	1,498	
	\$ 3,352	\$ 15,607	\$ 18,959	

In addition to the obligations described above, the following items may also result in future material uses of cash:

Stock Repurchases

In August 2015, the Company's Board of Directors authorized the repurchase of \$100,000,000 of the Company's common stock. As of December 31, 2016, the Company repurchased 2,666,000 shares at a cost of \$100,000,000 under this program, including 355,000 shares at a cost of \$16,064,000 in 2016. Stock repurchases under this August 2015 program are now complete. In November 2015, the Company's Board of Directors authorized the repurchase of an additional \$100,000,000 of the Company's common stock. Purchases under this November 2015 program commenced in 2016 upon completion of the August 2015 program. As of December 31, 2016, the Company repurchased 539,000 shares at a cost of \$31,085,000 under this program, leaving a remaining authorized balance of \$68,915,000. Total stock repurchases in 2016 amounted to \$47,149,000. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock options, stock price, share availability, and cash requirements.

Dividends

The Company's Board of Directors declared and paid cash dividends of \$0.07 per share in the first quarter and \$0.075 per share in the second, third, and fourth quarters of 2016. Total cash dividends paid in 2016 amounted to \$25,213,000. Future dividends will be declared at the discretion of the Company's Board of Directors and will depend upon such factors as the Board deems relevant, including, among other things, the Company's ability to generate positive cash flow from operations.

Acquisitions

The Company's business strategy includes selective expansion into new machine vision markets and applications through the acquisition of businesses and technologies, which may result in significant cash outlays in the future.

On August 21, 2015, the Company acquired selected assets of Manatee Works, Inc. The Company paid \$1,023,000 in cash upon closing and \$337,000 in cash in 2016 that was contingent upon reaching a milestone revenue level. The Company may pay additional contingent cash consideration of up to \$1,700,000 in 2017 and up to \$2,200,000 in 2018 based upon reaching certain milestone revenue levels.

On August 30, 2016, the Company acquired selected assets and assumed selected liabilities of AQSense, S.L. The Company paid \$2,519,000 in cash and there are no contingent payments related to this transaction.

On October 27, 2016, the Company acquired all of the outstanding shares of EnShape, GmbH. The Company paid \$5,395,000 in cash and is expected to pay additional contingent cash consideration of \$1,362,000 in the first half of 2017 and a deferred cash payment of \$1,144,000 in 2018 representing a holdback for potential indemnification claims.

On November 30, 2016, the Company acquired selected assets and assumed selected liabilities of Chiaro Technologies LLC. The Company paid \$3,538,000 in cash and may pay additional contingent cash consideration of up to to \$1,250,000 in 2018 based upon reaching certain milestone revenue levels.

On December 9, 2016, the Company acquired selected assets and assumed selected liabilities of Webscan, Inc. The Company paid \$3,000,000 in cash upon closing and paid \$176,000 in cash upon calculation of a working capital adjustment in January 2017. There are no contingent payments related to this transaction.

The Company believes that its existing cash and investment balances, together with cash flow from operations, will be sufficient to meet its operating, investing, and financing activities for the next twelve months. As of December 31, 2016, the Company had \$745,170,000 in cash and investments. In addition, Cognex has no long-term debt and does not anticipate needing debt financing in the near future. We believe that our strong cash position has put us in a relatively good position with respect to our longer-term liquidity needs.

OFF-BALANCE SHEET ARRANGEMENTS

As of December 31, 2016, the Company has no off-balance sheet arrangements as defined in Item 303(a)(4)(ii) of Regulation S-K.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

Our discussion and analysis of the Company's financial condition and results of operations are based upon the consolidated financial statements included in this Annual Report on Form 10-K, which have been prepared in accordance with accounting principles generally accepted in the United States. The preparation of these financial statements requires management to make estimates and judgments that affect the reported amounts of assets, liabilities, revenue, and expenses, and related disclosure of contingent assets and liabilities. We base our estimates on historical experience and various other assumptions believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results could differ from these estimates under different assumptions or circumstances resulting in charges that could be material in future reporting periods. We believe the following critical accounting policies require the use of significant estimates and judgments in the preparation of our consolidated financial statements.

Revenue Recognition

The Company's product revenue is derived from the sale of machine vision systems, which can take the form of hardware with embedded software or software-only, and related accessories. The Company also generates revenue by providing maintenance and support, consulting, and training services to its customers. Certain of the Company's arrangements include multiple deliverables that provide the customer with a combination of products or services. In order to recognize revenue, the Company requires that a signed customer contract or purchase order is received, the fee from the arrangement is fixed or determinable, and collection of the resulting receivable is probable. Assuming that these criteria have been met, product revenue is generally recognized upon delivery, revenue from maintenance and support programs is recognized ratably over the program period, and revenue from consulting and training services is recognized when the services have been provided. When customer-specified acceptance criteria exist that are substantive, product revenue is deferred, along with associated incremental direct costs, until these criteria have been met and any remaining performance obligations are inconsequential or perfunctory.

For the majority of the Company's revenue transactions, revenue recognition and invoicing both occur upon delivery. In certain circumstances, however, the agreement with the customer provides for invoicing terms which differ from revenue recognition criteria, resulting in either deferred revenue or unbilled revenue. Invoicing that precedes revenue recognition is common for various customers in the logistics industry where milestone billings are prevalent, resulting in deferred revenue. Conversely, the Company records unbilled revenue in connection with a material customer in the consumer electronics industry. For this arrangement, the Company recognizes revenue for all delivered products when the first production line that incorporates these products is validated, because at that point the remaining performance obligations are inconsequential or perfunctory. Invoicing for all delivered products occurs as the production lines incorporating those products are installed over a period of several weeks. The Company also has a technical support obligation related to this arrangement for which revenue is deferred and recognized over the support period of approximately six months.

The majority of the Company's product offerings consist of hardware with embedded software. Under the revenue recognition rules for tangible products, the fee from a multiple-deliverable arrangement is allocated to each of the deliverables based upon their relative selling prices as determined by a selling-price hierarchy. A deliverable in an arrangement qualifies as a separate unit of accounting if the delivered item has value to the customer on a stand-alone basis. A delivered item that does not qualify as a separate unit of accounting is combined with the other undelivered items in the arrangement and revenue is recognized for those combined deliverables as a single unit of accounting. The selling price used for each deliverable is based upon vendor-specific objective evidence (VSOE) if available, third-party evidence (TPE) if VSOE is not available, and management's best estimate of selling price (BESP) if neither VSOE nor TPE are available. VSOE is the price charged for a deliverable when it is sold separately. TPE is the price of the Company's or any competitor's largely interchangeable products or services in stand-alone sales to similarly-situated customers. BESP is the price at which the Company would sell the deliverable if it were sold regularly on a stand-alone basis, considering market conditions and entity-specific factors.

The Company reports revenue for certain of its product accessory sales on a net basis, by reducing the gross sale amount by the related costs, when certain factors in the arrangement with the customer indicate that the Company is acting as an agent, rather than as a principal.

Management exercises judgment in connection with the determination of the amount of revenue to be recognized each period. Such judgments include, but are not limited to, determining whether separate contracts with the same customer that are entered into at or near the same time should be accounted for as a single arrangement, identifying the various elements in an arrangement, determining if delivered items have stand-alone value, determining the relative selling prices of the arrangement's deliverables, determining whether options to buy additional products or services in the future are substantive and should be accounted for as a deliverable in the original arrangement, assessing whether the fee is fixed or determinable, determining the probability of collecting the receivable, determining whether customer-specified acceptance criteria are substantive in nature, determining whether remaining performance obligations are inconsequential or perfunctory, assessing whether vendor-specific objective evidence of fair value has been established for undelivered elements, and determining whether the Company is acting as a principal or an agent in an arrangement.

Investments

As of December 31, 2016, the Company's investment portfolio of debt securities totaled \$665,529,000. The debt securities are reported at fair value, with unrealized gains and losses, net of tax, recorded in shareholders' equity as other comprehensive income (loss) since these securities are designated as available-for-sale securities. As of December 31, 2016, the Company's portfolio of debt securities had a net unrealized gain of \$65,000.

The Company applies a three-level valuation hierarchy for fair value measurements. The categorization of assets and liabilities within the valuation hierarchy is based upon the lowest level of input that is significant to the measurement of fair value. Level 1 inputs to the valuation methodology utilize unadjusted quoted market prices in active markets for identical assets and liabilities. Level 2 inputs to the valuation methodology are other observable inputs, including quoted market prices for similar assets and liabilities, quoted prices for identical and similar assets and liabilities in markets that are not active, or other inputs that are observable or can be corroborated by observable market data. Level 3 inputs to the valuation methodology are unobservable inputs based upon management's best estimate of the inputs that market participants would use in pricing the asset or liability at the measurement date, including assumptions about risk. Changes in the valuation methodology, interest rates, credit rates, or the market for these investments could result in changes to their fair values. Changes to the Level of an investment within the fair value hierarchy are determined at the end of the reporting period.

The Company's debt securities are reported at fair value based upon model-driven valuations in which all significant inputs are observable or can be derived from or corroborated by observable market data for substantially the full term of the asset, and are therefore classified as Level 2. Management is responsible for estimating the fair value of these financial assets and liabilities, and in doing so, considers valuations provided by a large, third-party pricing service. This service maintains regular contact with market makers, brokers, dealers, and analysts to gather information on market movement, direction, trends, and other specific data. They use this information to structure yield curves for various types of debt securities and arrive at the daily valuations.

Management monitors the carrying value of its debt securities compared to their fair value to determine whether an other-than-temporary impairment has occurred. In considering whether a decline in fair value is other-than-temporary, we consider many factors, both qualitative and quantitative in nature, including the type of security, the credit rating of the security, the length of time the security has been in a loss position, the size of the loss position, our ability and intent to hold the security to expected recovery of value, and other meaningful information. If a decline in fair value is determined to be other-than-temporary, an impairment charge would be recorded in current operations to reduce the carrying value of the investment to its fair value. There were no other-than-temporary impairments of investments in 2016, 2015, or 2014.

Accounts Receivable

The Company maintains reserves against its accounts receivable for potential credit losses. Ongoing credit evaluations of customers are performed and the Company has historically not experienced significant losses related to the collection of its accounts receivable. Allowances for specific accounts determined to be at risk for collection are estimated by management taking into account the length of time the receivable has been outstanding, the customer's current ability to pay its obligations to the Company, general economic and industry conditions, as well as various other factors. Global economic uncertainty may result in longer payment cycles and challenges in collecting accounts receivable balances, which make these estimates more judgmental. An adverse change in any of these factors could result in higher than expected customer defaults and may result in the need for additional bad debt provisions. As of December 31, 2016, the Company's reserve against accounts receivable was \$873,000, or 2% of the gross accounts

receivable balance. A 10% difference in the reserve against accounts receivable as of December 31, 2016 would have affected net income by approximately \$72,000.

Inventories

Inventories are stated at the lower of cost or market. Management estimates excess and obsolescence exposures based upon assumptions about future demand, product transitions, and market conditions, and records reserves to reduce the carrying value of inventories to their net realizable value. Volatility in the global economy makes these assumptions about future demand more judgmental. Among the risks associated with the introduction of new products are difficulty predicting customer demand and effectively managing inventory levels to ensure adequate supply of the new product and avoid excess supply of the legacy product. In addition, we may strategically enter into non-cancelable commitments with vendors to purchase materials for products in advance of demand to take advantage of favorable pricing or address concerns about the availability of future supplies and long lead times. As of December 31, 2016, the Company's reserve for excess and obsolete inventory totaled \$3,317,000, or 11% of the gross inventory balance. A 10% difference in inventory reserves as of December 31, 2016 would have affected net income by approximately \$272,000.

Long-lived Assets

The Company has long-lived assets, including property, plant, and equipment and acquired intangible assets. These assets are susceptible to shortened estimated useful lives and changes in fair value due to changes in their use, market or economic changes, or other events or circumstances. The Company evaluates the potential impairment of these long-lived assets whenever events or circumstances indicate their carrying value may not be recoverable. Factors that could trigger an impairment review include historical or projected results that are less than the assumptions used in the original valuation of an acquired asset, a change in the Company's business strategy or its use of an acquired asset, or negative economic or industry trends.

If an event or circumstance indicates the carrying value of long-lived assets may not be recoverable, the Company assesses the recoverability of the assets by comparing the carrying value of the assets to the sum of the undiscounted future cash flows that the assets are expected to generate over their remaining economic lives. If the carrying value exceeds the sum of the undiscounted future cash flows, the Company compares the fair value of the long-lived assets to the carrying value and records an impairment loss for the difference. The Company generally estimates the fair value of its long-lived assets using the income approach based upon a discounted cash flow model. The income approach requires the use of many assumptions and estimates including future revenues and expenses, discount factors, income tax rates, the identification of groups of assets with highly independent cash flows, and assets' economic lives. Volatility in the global economy makes these assumptions and estimates more judgmental. No impairment losses were recorded in 2016, 2015, or 2014. Actual future operating results and the remaining economic lives of our long-lived assets could differ from those used in assessing the recoverability of these assets and could result in an impairment of long-lived assets in future periods.

Goodwill

Management evaluates the potential impairment of goodwill annually each fourth quarter and whenever events or circumstances indicate their carrying value may not be recoverable. On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD). The Company had previously identified SISD, along with its Modular Vision Systems Division (MVSD), as reporting units for purposes of its goodwill impairment test. Given the disposition of SISD, management reviewed its reporting units and concluded that the Company now has one reporting unit. Determining the Company's reporting units requires judgments regarding what constitutes a business and at what level discrete financial information is available and reviewed by management.

The Company performs a qualitative assessment of goodwill (commonly known as "step zero") to determine whether further impairment testing is necessary. If this qualitative assessment indicates that it is more likely than not that the fair value of a reporting unit is less than its carrying amount, the entity would proceed to a two-step process. Step one compares the fair value of the reporting unit with its carrying value, including goodwill. If the carrying amount exceeds the fair value of the reporting unit, step two is required to measure the amount of impairment loss. Step two compares the implied fair value of the reporting unit goodwill to the carrying amount of the goodwill. The Company estimates the fair value of its reporting unit using the income approach based upon a discounted cash flow model. In addition, the Company uses the market approach, which compares the reporting unit to publicly-traded companies and transactions involving similar businesses, to support the conclusions based upon the income approach. The income approach requires the use of many assumptions and estimates including future revenues, expenses, capital expenditures, and working capital, as well as discount factors and income tax rates.

Factors that management considered in the qualitative assessment include macroeconomic conditions, industry and market considerations, overall financial performance (both current and projected), changes in management or strategy,

and changes in the composition or carrying amount of net assets. In addition, management took into consideration the goodwill valuation as of October 4, 2010, which was the last time it was performed under the two-step process. At that time, this analysis indicated that the fair value of the MVSD reporting unit exceeded its carrying value by approximately 208%. Based on the qualitative assessment, management does not believe that it is more likely than not that the carrying value of its reporting unit exceeds its fair value. No impairment losses were recorded in 2016, 2015, or 2014.

Warranty Obligations

The Company records the estimated cost of fulfilling product warranties at the time of sale based upon historical costs to fulfill claims. Obligations may also be recorded subsequent to the time of sale whenever specific events or circumstances impacting product quality become known that would not have been taken into account using historical data. While we engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of our component suppliers and third-party contract manufacturers, the Company's warranty obligation is affected by product failure rates, material usage, and service delivery costs incurred in correcting a product failure. An adverse change in any of these factors may result in the need for additional warranty provisions. As of December 31, 2016, the Company's accrued warranty obligations amounted to \$4,335,000. A 10% difference in accrued warranty obligations as of December 31, 2016 would have affected net income by approximately \$355,000.

Contingencies

Estimated losses from contingencies are accrued by management based upon whether a loss is probable and whether management has the ability to reasonably estimate the amount of the loss. Estimating potential losses, or even a range of losses, is difficult and involves a great deal of judgment. Management relies primarily on assessments made by its internal and external legal counsel to make the determination as to whether a loss contingency arising from litigation should be recorded or disclosed. This analysis is performed on a quarterly basis or when facts and circumstances dictate. Should the resolution of a contingency result in a loss that we did not accrue because management did not believe that the loss was probable or capable of being reasonably estimated, then this loss would result in a charge to income in the period the contingency was resolved. The Company did not have any significant accrued contingencies as of December 31, 2016.

Stock-Based Compensation

Compensation expense is recognized for all stock option and restricted stock grants. Determining the appropriate valuation model and estimating the fair values of these grants requires the input of subjective assumptions, including expected stock price volatility, dividend yields, expected term, and forfeiture rates. The expected volatility assumption is based partially upon the historical volatility of the Company's common stock, which may or may not be a true indicator of future volatility, particularly as the Company continues to seek to diversify its customer base. The assumptions used in calculating the fair values of stock option grants represent management's best estimates, but these estimates involve inherent uncertainties and the application of judgment. As a result, if factors change and different assumptions are used, stock-based compensation expense could be significantly different from what the Company recorded in the current period.

Income Taxes

Significant judgment is required in determining worldwide income tax expense based upon tax laws in the various jurisdictions in which the Company operates. The Company has established reserves for income taxes by applying the "more likely than not" criteria, under which the recognition threshold is met when an entity concludes that a tax position, based solely on its technical merits, is more likely than not to be sustained upon examination by the relevant tax authority. All tax positions are analyzed periodically and adjustments are made as events occur that warrant modification, such as the completion of audits or the expiration of statutes of limitations, which may result in future charges or credits to income tax expense.

As part of the process of preparing consolidated financial statements, management is required to estimate income taxes in each of the jurisdictions in which the Company operates. This process involves estimating the current tax liability, as well as assessing temporary differences arising from the different treatment of items for financial statement and tax purposes. These differences result in deferred tax assets and liabilities, which are recorded on the Consolidated Balance Sheets.

The Company has net deferred tax assets primarily resulting from temporary differences between the financial statement and tax bases of assets and liabilities. Management has evaluated the realizability of these deferred tax assets and has determined that it is more likely than not that these assets will be realized, net of any valuation allowance. In reaching this conclusion, we have evaluated relevant criteria, including the Company's historical profitability, current projections of future profitability, and the lives of tax credits, net operating and capital losses, and other carryforwards,

certain of which have indefinite lives. Should the Company fail to generate sufficient pre-tax profits in future periods, we may be required to record material adjustments to these deferred tax assets, resulting in a charge to income in the period of determination.

Derivative Instruments

In certain instances, the Company enters into forward contracts to hedge against foreign currency fluctuations. The Company's forward contracts are reported at fair value based upon model-driven valuations in which all significant inputs are observable or can be derived from or corroborated by observable market data for substantially the full term of the asset or liability, and are therefore classified as Level 2. The Company's forward contracts are typically traded or executed in over-the-counter markets with a relatively high degree of pricing transparency. The market participants are generally large commercial banks.

Currently, the Company enters into two types of hedges to manage foreign currency exchange rate risk. The first are economic hedges which utilize foreign currency forward contracts to manage the exposure to fluctuations in foreign currency exchange rates arising primarily from foreign-denominated receivables and payables. The gains and losses on these derivatives are intended to be offset by the changes in the fair value of the assets and liabilities being hedged. These economic hedges are not designated as effective hedges, and therefore, do not qualify for effective hedge accounting. The second are cash flow hedges which utilize foreign currency forward contracts to protect our budgeted revenues and expenses against foreign currency exchange rate changes compared to our budgeted rates. These cash flow hedges are designated for hedge accounting, and therefore, the effective portion of the forward contract's gain or loss is reported in shareholders' equity as other comprehensive income (loss) and is reclassified into current operations as the hedged transaction impacts current operations. Should these hedges fail to qualify for hedge accounting or be ineffective, the gain or loss on the forward contract would be reported in current operations immediately as opposed to when the hedged transaction impacts current operations. This may result in material foreign currency gains or losses.

NEW PRONOUNCEMENTS

Accounting Standards Update (ASU) 2014-09, "Revenue from Contracts with Customers"

The amendments in ASU 2014-09 will supersede and replace all currently existing U.S. GAAP, including industry-specific revenue recognition guidance, with a single, principle-based revenue recognition framework. The concept guiding this new model is that revenue recognition will depict transfer of control to the customer in an amount that reflects consideration to which an entity expects to be entitled. The core principles supporting this framework include (1) identifying the contract with a customer, (2) identifying separate performance obligations within the contract, (3) determining the transaction price, (4) allocating the transaction price to the performance obligations, and (5) recognizing revenue. This new framework will require entities to apply significantly more judgment. This increase in management judgment will require expanded disclosure on estimation methods, inputs, and assumptions for revenue recognition.

In March 2016, ASU 2016-08, "Principal versus Agent Considerations (Reporting Revenue Gross versus Net)," was issued, in April 2016, ASU 2016-10, "Identifying Performance Obligations and Licensing," was issued, in May 2016, ASU 2016-12, "Narrow-Scope Improvements and Practical Expedients" was issued, and in December 2016, ASU 2016-20. "Technical Corrections and Improvements," was issued. These Updates do not change the core principle of the guidance under ASU 2014-09, but rather provide implementation guidance. ASU 2015-14, "Deferral of the effective date," amended the effective date of ASU 2014-09 for public companies to annual reporting periods beginning after December 15, 2017. Early adoption is permitted, but only beginning after December 15, 2016. The Financial Accounting Standards Board may release additional implementation guidance in future periods.

We expect to adopt this standard using the full retrospective method to present all periods reported on a consistent basis. Upon adoption, revenue for software-only products sold as part of multiple-deliverable arrangements will no longer be deferred when vendor-specific objective evidence of fair value does not exist for undelivered elements of the arrangement. This change will result in earlier recognition of revenue. In addition, we expect certain of the Company's product accessory sales, which are currently reported on a net basis, to be reported on a gross basis as a result of applying the expanded guidance in the new standard related to principal versus agent considerations. This change will result in the Company reporting higher revenue and higher cost of revenue when these sales are reported on a gross basis, although the gross margin dollars will not change. We do not expect either of these changes to have a material impact on total revenue. Management will continue to evaluate the impact of this standard.

Accounting Standards Update (ASU) 2015-11, "Inventory - Simplifying the Measurement of Inventory"

ASU 2015-11 requires companies to measure most inventory at the lower of cost and net realizable value, thereby simplifying the current guidance under which a company must measure inventory at the lower of cost or market. This ASU eliminates the need to determine replacement cost and evaluate whether said cost is within a quantitative range. This ASU also further aligns U.S. GAAP and international accounting standards. For public companies, the guidance in ASU 2015-11 is effective for annual periods beginning after December 15, 2016, and interim periods within those annual periods. Early adoption is permitted. Management does not expect ASU 2015-11 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-01, "Financial Instruments - Recognition and Measurement of Financial Assets and Financial Liabilities"

ASU 2016-01 provides guidance related to certain aspects of recognition, measurement, presentation, and disclosure of financial instruments. The amendments in this Update affect all entities that hold financial assets or owe financial liabilities. This ASU requires equity investments (except those accounted under the equity method) to be measured at fair value with changes in fair value recognized in net income. However, an entity may choose to measure equity investments that do not have readily determinable fair values at cost minus impairment. This ASU also eliminates the requirement for public companies to disclose the methods and significant assumptions used to estimate the fair value for financial instruments measured at amortized cost on the balance sheet, and it requires separate presentation of financial assets and financial liabilities by measurement category and form of financial asset on the balance sheet or the accompanying notes to the financial statements. For public companies, the guidance in ASU 2016-01 is effective for annual periods beginning after December 15, 2017, and interim periods within those annual periods. Early adoption is not permitted except for certain amendments in this Update. Management does not expect ASU 2016-01 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-02, "Leases"

ASU 2016-02 creates Topic 842, Leases. The objective of this Update is to increase transparency and comparability among organizations by recognizing lease assets and lease liabilities on the balance sheet, and disclosing key information about leasing arrangements. This ASU applies to any entity that enters into a lease, although lessees will see the most significant changes. The main difference between current U.S. GAAP and Topic 842 is the recognition of lease assets and lease liabilities on the balance sheet for those leases classified as operating leases under current U.S. GAAP. Topic 842 distinguishes between finance leases and operating leases, which are substantially similar to the classification criteria for distinguishing between capital leases and operating leases under current U.S. GAAP. For public companies, the guidance in ASU 2016-02 is effective for annual periods beginning after December 15, 2018, and interim periods within those annual periods. This ASU should be applied using a modified retrospective approach. Management is in the process of evaluating the impact of this Update.

Accounting Standards Update (ASU) 2016-05, "Derivatives and Hedging - Effect of Derivative Contract Novations on Existing Hedge Accounting Relationships"

ASU 2016-05 applies to all reporting entities for which there is a change in the counterparty to a derivative instrument that has been designated as the hedging instrument. The amendments in this Update clarify that a change in the counterparty does not, in and of itself, require de-designation of that hedging relationship provided that all other hedge accounting criteria continue to be met. For public companies, the guidance in ASU 2016-05 is effective for annual periods beginning after December 15, 2016, and interim periods within those annual periods. This ASU should be applied on either a prospective basis or a modified retrospective basis. Management does not expect ASU 2016-05 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-13, "Financial Instruments - Measurement of Credit Losses"

ASU 2016-13 applies to all reporting entities holding financial assets that are not accounted for at fair value through net income (debt securities). The amendments in this Update eliminate the probable initial recognition threshold to recognize a credit loss under current U.S. GAAP and, instead, reflect an entity's current estimate of all expected credit losses. In addition, this Update broadens the information an entity must consider in developing the credit loss estimate, including the use of reasonable and supportable forecasted information. The amendments in this Update require that credit losses on available-for-sale debt securities be presented as an allowance rather than as a write-down and an entity will be able to record reversals of credit losses in current period net income. For public companies, the guidance in ASU 2016-13 is effective for annual periods beginning after December 15, 2019, and interim periods within those annual periods. This ASU should be applied through a cumulative-effect adjustment to retained earnings as of the beginning of the first reporting period in which the guidance is effective. Management does not expect ASU 2016-13 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-16, "Income Taxes - Intra-Entity Transfers of Assets Other than Inventory"

ASU 2016-16 applies to all reporting entities with intra-entity transfers of assets other than inventory. The amendments in this Update allow the recognition of deferred income taxes for an intra-entity transfer of an asset other than inventory when the transfer occurs, as opposed to when the asset has been sold to an outside party under current U.S. GAAP. Two common examples of assets included in the scope of this Update are intellectual property and property, plant, and equipment. For public companies, the amendments in ASU 2016-16 are effective for annual reporting periods beginning after December 15, 2017, and interim reporting periods within those annual periods. Early adoption is permitted for all entities as of the beginning of an annual reporting period for which financial statements (interim or annual) have not been issued or made available for issuance. This ASU should be applied on a modified retrospective basis through a cumulative-effect adjustment directly to retained earnings as of the beginning of the period of adoption. Management is in the process of evaluating the impact of this Update.

ITEM 7A: QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

The Company is exposed to certain risks relating to its ongoing business operations, including foreign currency exchange rate risk and interest rate risk. The Company currently mitigates certain foreign currency exchange rate risks with derivative instruments. The Company does not currently manage its interest rate risk with derivative instruments.

Foreign Currency Risk

The Company faces exposure to foreign currency exchange rate fluctuations, as a significant portion of its revenues, expenses, assets, and liabilities are denominated in currencies other than the functional currencies of the Company's subsidiaries or the reporting currency of the Company, which is the U.S. Dollar. In certain instances, we utilize forward contracts to hedge against foreign currency fluctuations. These contracts are used to minimize foreign gains or losses, as the gains or losses on the derivative are intended to offset the losses or gains on the underlying exposure. We do not engage in foreign currency speculation.

The Company's foreign currency risk management strategy is principally designed to mitigate the potential financial impact of changes in the value of transactions and balances denominated in foreign currencies resulting from changes in foreign currency exchange rates. Currently, the Company enters into two types of hedges to manage this risk. The first are economic hedges which utilize foreign currency forward contracts with maturities of up to 45 days to manage the exposure to fluctuations in foreign currency exchange rates arising primarily from foreign-denominated receivables and payables. The gains and losses on these derivatives are intended to be offset by the changes in the fair value of the assets and liabilities being hedged. The second are cash flow hedges which utilize foreign currency forward contracts with maturities of up to 18 months to hedge specific forecasted transactions of the Company's foreign subsidiaries with the goal of protecting our budgeted revenues and expenses against foreign currency exchange rate changes compared to our budgeted rates.

The Company had the following outstanding forward contracts (in thousands):

		December 31, 2	016		December 31, 2015						
<u>Currency</u>	Notional Value	USD Equivalent	High Rate	Low Rate	Notional Value	USD Equivalent	High Rate	Low Rate			
Derivatives Designated as Hedging Instruments:											
U.S. Dollar	_	\$ <u> </u>	_	_	16,720	\$ 16,720	1.1462	1.0903			
Japanese Yen	342,500	2,960	132.28	113.98	942,500	7,605	147.82	129.08			
Hungarian Forint	39,000	130	316.62	316.13	547,000	1,893	319.87	301.10			
Singapore Dollar	150	97	1.6328	1.6293	2,063	1,425	1.6451	1.5063			
Canadian Dollar	_	_	_	_	41	37	1.1155	1.1145			
British Pound	_	_	_	_	25	34	0.8039	0.8021			
Derivatives Not Designated as Hedging Instruments:											
Japanese Yen	650,000	\$ 5,554	123.12	123.12	700,000	\$ 5,800	131.07	131.07			
British Pound	1,350	1,658	0.8567	0.8567	1,650	2,441	0.7342	0.7342			
Korean Won	1,750,000	1,450	1,270	1,270	1,400,000	1,187	1,281	1,281			
Hungarian Forint	425,000	1,448	308.79	308.79	250,000	857	316.95	316.95			
Singapore Dollar	1,350	929	1.5287	1.5287	1,525	1,074	1.5422	1.5422			
Taiwanese Dollar	26,000	802	34.12	34.12	26,425	800	35.85	35.85			

A change in foreign currency exchange rates could materially impact the fair value of these contracts; however, if this occurred, the fair value of the underlying exposures hedged by the contracts would change by a similar amount. Accordingly, management does not believe that a material change in foreign currency exchange rates used in the fair value of our derivative instruments would materially impact operations or cash flows.

The success of our foreign currency risk management program depends upon forecasts of transaction activity denominated in various currencies. To the extent that these forecasts are overstated or understated during periods of currency volatility, we could experience unanticipated foreign currency gains or losses that could have a material impact on our results of operations. Furthermore, our failure to identify new exposures and hedge them in an effective manner may result in material foreign currency gains or losses.

The Company's functional currency/reporting currency exchange rate exposures result from revenues and expenses that are denominated in currencies other than the U.S. Dollar. A significant portion of our revenues and expenses are denominated in the Euro, the Japanese Yen, and the Chinese Yuan, also known as Renminbi. Our predominant currency of sale is the U.S. Dollar in the Americas, the Euro and U.S. Dollar in Europe, the Yuan in Mainland China, the Yen in Japan, and the U.S. Dollar in other regions. We estimate that approximately 43% of our sales in 2016 were invoiced in currencies other than the U.S. Dollar, and we expect sales denominated in foreign currencies to continue to represent a significant portion of our total revenue. While we also have expenses denominated in these same foreign currencies, the impact on revenues has historically been, and is expected to continue to be, greater than the offsetting impact on expenses. Therefore, in times when the U.S. Dollar strengthens in relation to these foreign currencies, we would expect to report a net decrease in operating income. Conversely, in times when the U.S. Dollar weakens in relation to these foreign currencies, we would expect to report a net increase in operating income. Thus, changes in the relative strength of the U.S. Dollar may have a material impact on our operating results.

Interest Rate Risk

The Company's investment portfolio of debt securities includes corporate bonds, treasury bills, asset-backed securities, a Euro liquidity fund, agency bonds, sovereign bonds and municipal bonds. Debt securities with original maturities greater than three months are designated as available-for-sale and are reported at fair value. As of December 31, 2016, the fair value of the Company's portfolio of debt securities amounted to \$665,529,000 with principal amounts totaling \$665,464,000, maturities that do not exceed five years, and a yield to maturity of 1.08%. Differences between the fair value and principal amounts of the Company's portfolio of debt securities are primarily attributable to discounts and premiums arising at the acquisition date, as well as unrealized gains and losses as of the balance sheet date.

Although it is the Company's policy to invest in debt securities with effective maturities that do not exceed ten years, 97% of the investment portfolio as of December 31, 2016 has effective maturity dates of less than three years. Given the relatively short maturities and investment-grade quality of the Company's portfolio of debt securities as of

December 31, 2016, a sharp rise in interest rates should not have a material adverse effect on the fair value of these instruments. As a result, the Company does not currently hedge these interest rate exposures.

The following table presents the hypothetical change in the fair value of the Company's portfolio of debt securities arising from selected potential changes in interest rates (in thousands). This modeling technique measures the change in fair value that would result from a parallel shift in the yield curve plus or minus 50 and 100 basis points (BP) over a twelve-month time horizon.

Type of security	Valuation of s an interest	•	No change in interest rates	Valuation of securities given an interest rate increase		
	(100 BP)	(50 BP)		50 BP		100 BP
Corporate bonds	\$ 313,739	\$ 312,440	\$ 311,140	\$ 309,841	\$	308,541
Treasury bills	160,785	160,120	159,455	158,790		158,125
Asset-backed securities	97,366	96,963	96,560	96,157		95,754
Euro liquidity fund	46,778	46,638	46,499	46,359		46,220
Sovereign bonds	31,140	31,011	30,883	30,754		30,625
Agency bonds	13,352	13,297	13,242	13,187		13,132
Municipal bonds	7,815	7,783	7,750	7,718		7,686
	\$ 670,975	\$ 668,252	\$ 665,529	\$ 662,806	\$	660,083

ITEM 8: FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Shareholders of Cognex Corporation:

We have audited the accompanying consolidated balance sheets of Cognex Corporation (a Massachusetts corporation) and subsidiaries (the "Company") as of December 31, 2016 and 2015, and the related consolidated statements of operations, comprehensive income, cash flows, and shareholders' equity for each of the three years in the period ended December 31, 2016. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements 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 consolidated financial statements referred to above present fairly, in all material respects, the financial position of Cognex Corporation and subsidiaries as of December 31, 2016 and 2015, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2016 in conformity with accounting principles generally accepted in the United States of America.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the Company's internal control over financial reporting as of December 31, 2016, based on criteria established in the 2013 *Internal Control-Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO), and our report dated February 16, 2017 expressed an unqualified opinion.

/s/ GRANT THORNTON LLP

Boston, Massachusetts February 16, 2017

COGNEX CORPORATION – CONSOLIDATED STATEMENTS OF OPERATIONS

Year Ended December 31,

		2016		2015		2014
		(In thous	sands, e	xcept per share	amount	s)
Revenue	\$	520,753	\$	450,557	\$	426,449
Cost of revenue	,	115,590	•	102,571	•	94,067
Gross margin	<u></u>	405,163	_	347,986	_	332,382
Research, development, and engineering expenses		78,269		69,791		55,831
Selling, general, and administrative expenses		166,110		156,674		148,699
Operating income	_	160,784		121,521		127,852
Foreign currency gain		101		1,122		1,031
Investment income		7,039		3,674		3,156
Other income (expense)		871		645		(283)
Income from continuing operations before income tax expense		168,795	•	126,962		131,756
Income tax expense on continuing operations		18,968		19,298		20,915
Net income from continuing operations		149,827	•	107,664		110,841
Net income (loss) from discontinued operations (Note 19)		(255)		79,410		10,644
Net income	\$	149,572	\$	187,074	\$	121,485
Basic earnings per weighted-average common and common-equivalent share:						
Net income from continuing operations	\$	1.76	\$	1.25	\$	1.28
Net income (loss) from discontinued operations	\$	(0.01)	\$	0.92	\$	0.12
Net income	\$	1.75	\$	2.17	\$	1.40
Diluted earnings per weighted-average common and common-equivalent share:						
Net income from continuing operations	\$	1.72	\$	1.22	\$	1.24
Net income (loss) from discontinued operations	\$	_	\$	0.91	\$	0.12
Net income	\$	1.72	\$	2.13	\$	1.36
Weighted-average common and common-equivalent shares outstanding:						
Basic		85,338		86,296		86,858
Diluted			_		_	
Diluted		87,072		87,991		89,071
Cash dividends per common share	\$	0.30	\$	0.21	\$	_

COGNEX CORPORATION - CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

	Year Ended December 31,								
		2016		2015		2014			
			(I	n thousands)					
Net income	\$	149,572	\$	187,074	\$	121,485			
Other comprehensive income (loss), net of tax:									
Cash flow hedges:									
Net unrealized gain (loss), net of tax of (\$22), \$22, and \$0 in 2016, 2015, and 2014 respectively	,	(567)		(27)		(118)			
Reclassification of net realized (gain) loss into current operations		398		201		46			
Net change related to cash flow hedges		(169)		174		(72)			
Available-for-sale investments:									
Net unrealized gain (loss), net of tax of \$248, (\$279), and \$40 in 2016, 2015, and 2014, respectively		1,672		(939)		579			
Reclassification of net realized (gain) loss into current operations		(191)		(344)		(673)			
Net change related to available-for-sale investments		1,481		(1,283)		(94)			
Foreign currency translation adjustments:									
Foreign currency translation adjustments, net of tax of (\$228), (\$711) and (\$870) in 2016, 2015, and 2014, respectively		(5,616)		(11,616)		(9,400)			
Net change related to foreign currency translation adjustments		(5,616)		(11,616)		(9,400)			
Other comprehensive income (loss), net of tax		(4,304)		(12,725)		(9,566)			
Total comprehensive income	\$	145,268	\$	174,349	\$	111,919			

COGNEX CORPORATION - CONSOLIDATED BALANCE SHEETS

		Decer	nber 31,	
		2016		2015
ACCETO		(In the	usands)	
ASSETS				
Current assets:	.	70.044	Φ.	E4 07E
Cash and cash equivalents	\$	79,641	\$	51,975
Short-term investments		341,194		296,468
Accounts receivable, less reserves of \$873 and \$736 in 2016 and 2015, respectively		55,438		42,846
Unbilled revenue		2,217		24
Inventories		26,984		37,334
Prepaid expenses and other current assets		20,870		15,847
Total current assets		526,344		444,494
Long-term investments		324,335		273,088
Property, plant, and equipment, net		53,992		53,285
Goodwill		95,280		81,448
Intangible assets, net		8,312		6,315
Deferred income taxes		28,022		26,517
Other assets		2,319		2,609
Total assets	\$	1,038,604	\$	887,756
Current liabilities: Accounts payable Accrued expenses Accrued income taxes Deferred revenue and customer deposits Total current liabilities Deferred income taxes Reserve for income taxes Other non-current liabilities	\$	9,830 42,539 5,193 8,211 65,773 — 5,361 4,871	\$	7,860 33,272 985 11,571 53,688 319 4,830 3,252
Total liabilities		76,005		62,089
Commitments and contingencies (Note 10)				
Shareholders' equity:				
Common stock, \$.002 par value – Authorized: 200,000 and 140,000 shares in 2016 and 20 respectively, issued and outstanding: 85,939 and 84,856 shares in 2016 and 2015, respectively)15,	172		170
Additional paid-in capital		375,030		311,008
Retained earnings		643,825		566,613
Accumulated other comprehensive loss, net of tax		(56,428)		(52,124)
Total shareholders' equity		962,599		825,667
	\$	1,038,604	\$	887,756

COGNEX CORPORATION - CONSOLIDATED STATEMENTS OF CASH FLOWS

Repair of the properting activities: 7.00 (most)						
Ade in from operating activities: \$ 149,572 \$ 187,074 \$ 121,485 Adjustments to reconcile net income to net cash provided by operating activities: Calinal loss on sale of discontinued business 255 (78,182 — 15,158 Slock-based compensation or openses 20,558 20,168 21,158 Depreciation of property, plant, and equipment 11,678 9,868 8,443 Amonization of intangible assets 333 680 1,823 Realized (gain) loss on sale of investments (1,506) (344) (679) Revaluation of contringent consideration (463) (790) (2,364) Change in oberrad income taxes (1,508) (3,451) (3,950) (3,516) Change in oberrad income taxes (1,3251) (3,950) (351) United the venue (2,308) (242) (553) United the venue (2,308) (242) (55			2016	2015		2014
Net income				(In thousands)		
Adjustments to reconcile net income to net cash provided by operating activities: Giani pias on sail of discontinued business 20,588 20,168 15,158 Depreciation of property, plant, and equipment 11,678 8,868 8,443 Amortization of intangible assets 3,391 4,250 4,024 Amortization of idiscourts or premiums on investments 333 600 1,623 Realized (gain) joss on saile of investments 11,566 (344) (673) Realized (gain) joss on saile of investments 11,566 (344) (673) Change in deferred income taxes 11,908 (1,409) (2,344) Change in deferred income taxes 11,908 (1,409) (2,347) Change in deferred income taxes 12,308 (242) (653) Unbilled revenue (2,308 (242) (653) Unbilled revenue (2,308 (242) (653) Inventories 10,409 (9,457) (11,750) Accounts payable 2,087 (8,872) (11,750) Accounts payable 2,087 (8,872) (11,750) Accounted expenses 7,771 (2,831) 7,812 Accounted expenses 7,771 (2,831) 7,812 Accounted expenses 7,771 (2,831) 7,812 Accounted provided by operating activities 38,008 870 (3,128) Obter 3,509 870 (3,128) Net cash provided by operating activities (751,688) (866,650) Cash flows from investing activities (751,688) (866,650) Accounted asset of investments (751,688) (866,650) Adultities and asset of investments (751,688) (866,650) Activity of the activities (751,688) (866,650) Activity of the activity of th	Cash flows from operating activities:					
(Gain) loss on sale of discontinued business 26,55 (78,182) 15,155 Slock-based compensation expense 20,558 20,168 15,156 Depreciation of property, plant, and equipment 11,1678 3,88 8,483 Amontization of infangible assets 3,391 4,250 4,024 Amontization of discounts or premiums on investments 183 690 1,823 Realized (gain) loss on sale of investments (1,506) (344) (073) Revaluation of contingent consideration (483) (790) — Change in operating assets and liabilities: (1,506) (345) (915) Changes in operating assets and liabilities: (2,308) (242) (865) Unblied revenue (2,308) (242) (865) Unblied revenue (2,308) (242) (865) Accrued expenses 2,110 9,657 7,700 Accrued expenses 2,111 9,657 7,700 Actual expenses 2,111 9,657 7,700 Actual provision activities 3,309 807	Net income	\$	149,572	\$ 187,074	\$	121,485
Stock based compensation expense 20,568 20,168 15,188 Depreciation of property, plant, and equipment 11,678 9,868 8,443 Amontization of intangible assels 3,391 4,260 4,024 Amontization of discounts or premiums on investments 383 690 1,823 Revaluation of contingent consideration (463 7090 — Revaluation of contingent consideration (463 7090 — Revaluation of contingent consideration (463 7090 — Changes in operating assets and liabilities: (19,08) (1,090) (915) Changes in operating assets and liabilities: (13,291) (3,950) (915) University revenue (2,308) (942) (563) University revenue (2,308) (942) (17,70) Accounts payable (2,097) (8,872) 10,898 7,701 Accounts payable (2,101) 9,957 7,700 Deferred revenue and customer deposits (3,188) 1,527 5,833 Other (3,186)	Adjustments to reconcile net income to net cash provided by operating activities:					
Depreciation of property, plant, and equipment 11,678 9,686 8,443 Amontization of intangble assets 3,391 4,250 4,024 Amontization of discounts or premiums on investments 383 860 1,623 Realized (gain) loss on sale of investments (1,506) (344) (673) Revaluation of contingent consideration (463) (700) 2,084 Change in deferred income taxes (1,908) (1,409) (2,848) Changes in operating assets and liabilities: (2,008) (242) (583) Unbilled revenue (2,008) (242) (583) Inventories 10,409 (9,457) (11,750) Accounts payable 2,007 (8,872) 10,896 Accrued income taxes 2,110 9,957 7,770 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits (3,188) 1,527 6,893 Other 3,509 870 3,128 Net cash provided by operating activities (51,883) (686,660)	(Gain) loss on sale of discontinued business		255	(78,182)		_
Amortization of intangible assets 4,024 4,025 4,024 Amortization of discounts or premiums on investments 1,056 (344 (673) Realized (gain) loss on sale of investments (1,056) (344) (673) Revaluation of contingent consideration (463) (790) ————————————————————————————————————	Stock-based compensation expense		20,558	20,168		15,158
Amortization of discounts or premiums on investments 383 690 1,823 Realizad (gain) loss on sale of investments (1,506) (344) (673) Revaluation of contingent consideration (483) (790) — Change in deferred income taxes (1,008) (1,409) (2,308) Changes in operating assets and liabilities:	Depreciation of property, plant, and equipment		11,678	9,868		8,443
Realized (gain) loss on sale of investments (1,506) (344) (673) Revaluation of contingent consideration (463) (790) — Change in deferred income taxes (1,908) (1,409) — Change in operating assets and labilities: Unbilled revenue (2,308) (242) (563) Inventories (10,409) (9,457) (11,750) Accounts payable 2,007 (8,872) 10,808 Account come taxes 2,110 9,957 7,702 Deferred revenue and customer deposits (3,188) 1,627 5,893 Other (3,509) 370 (3,128) Net cash provided by operating activities 182,01 128,227 163,841 Set ash provided by operating activities (751,888) (868,680) (422,633) Maturities and sales of investments (575,886) (686,680) (422,633) Purchases of property, plant, and equipment (12,281) (1,023) -2 Purchases of property, plant, and equipment (12,281) (1,023) -2 Cash paid fo	Amortization of intangible assets		3,391	4,250		4,024
Revaluation of contingent consideration (463) (790) — Change in deferred income taxes (1,908) (1,409) (2,304) Changes in operating assets and liabilities: (13,251) (3,950) (915) Urbilled revenue (2,308) (242) (563) Inventories 10,409 (9,457) (1,750) Accounts payable 2,087 (8,872) 10,896 Accounded income taxes 7,711 (2,831) 7,812 Accrued expenses 7,771 (2,831) 7,812 Other (3,509) 870 (3,128) Other of revenue and customer deposits (3,180) 15,277 5,893 Other of revenue and customer deposits (3,509) 870 (3,128) Net cash provided by operating activities (3,509) 870 (3,128) Net cash flows from investing activities (751,868) (68,650) (422,633) Maturities and sales of investments (751,868) (686,650) (422,633) Muttries and sales of investments (751,868) (686,650)	Amortization of discounts or premiums on investments		383	690		1,823
Change in deferred income taxes (1,409) (2,364) Changes in operating assets and liabilities: Common special passets (3,251) (3,950) (915) Unbilled revenue (2,308) (242) (563) Inventories 10,409 (9,457) (11,750) Accounts payable 2,087 (8,872) 10,896 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and dustomer deposits (3,188) 1,527 5,893 Other (3,509) 320,80 (3,128) Net cash provided by operating activities (751,868) (686,650) (422,633) Maturities and sales of investments (751,868) (686,650) (422,633) Maturities and sales of investments (575,260) 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (12,816) (10,23) — Cash paid for purchased technology 1 (10,407) — Net cash received (paid) from s	Realized (gain) loss on sale of investments		(1,506)	(344)		(673)
Changes in operating assets and liabilities: (13,251) (3,950) (915) Cubilled revenue (2,308) (242) (563) Inventories 10,409 (9,457) (11,750) Accounts payable 2,087 (8,872) 10,896 Accrued expenses 7,7771 (2,831) 7,812 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits (3,188) 1,527 5,893 Other (3,509) 870 (3,128) Net each provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities (751,868) (686,650) (422,633) Maturities and sales of investments (751,868)	Revaluation of contingent consideration		(463)	(790)		_
Accounts receivable (13,251) (3,950) (915) Unbilled revenue (2,308) (242) (568) Inventories 10,409 (9,457) (11,750) Accounts payable 2,087 (8,872) 10,896 Accrued income taxes 7,771 (2,831) 7,812 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits (3,188) 1,527 5,893 Other (3,509) 870 (3,128) Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investings activities 182,081 (868,650) (422,633) Maturities and sales of investments (751,868) (686,650) (422,633) Maturities and sales of investments (751,868) (686,650)<	Change in deferred income taxes		(1,908)	(1,409)		(2,364)
Unbilled revenue (2,308) (242) (563) Inventories 10,409 (9,457) (11,750) Accounts payable 2,087 (8,872) 10,896 Accrued expenses 7,771 (2,831) 7,812 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits (3,188) 1,527 5,893 Other (30,00) 80 80,381 Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities (751,868) (686,650) 422,633 Maturities and sales of investments 657,250 601,41 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (10,035) — Purchase of property, plant, and equipment (12,816) (10,455) — Reburchase det-noilogy - (Changes in operating assets and liabilities:					
Inventories 10,409 (9,457) (11,750) Accounts payable 2,087 (8,872) 10,896 Accrued expenses 7,71 (2,831) 7,812 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits 3,188 1,527 5,893 Other 3,509 870 (3,128) Net cash provided by operating activities 128,327 163,841 Cash flows from investing activities 751,868 686,650 (422,633) Maturities and sales of investments 657,250 (61,411 39,947) Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (10,023) (10,475) Put ash received (paid) from sale of discontinued business (11,2816) (10,475) (10,475) Net cash received (paid) from sale of discontinued business (12,832) (10,547) (104,097) Cash paid for acquisition of business, net of cash acquired (14,285) (10,233) (10,475) (10,475) Net cash used in investing activities (12,832) (10,475) (10,475) Net cash received (paid) from sale of discontinued business (12,832) (10,547) (104,097) Cash flows from financing activities (12,832) (10,547) (104,097) Repurchase of common stock under stock plans (12,832) (10,547) (10,4097) Repurchase of common stock under stock plans (12,832) (18,062) (19,617) Payment of dividends (12,832) (18,062) (19,617) Payment of dividends (13,352) (18,062) (19,617) Payment of contingent consideration (13,352) (18,062) (19,617) Repurchase of common stock under stock plans (13,618) (13,618) (13,618) Payment of contingent consideration (13,352) (18,062) (19,617) Payment of contingent consideration (13,352) (18,062) (19,617) Repurchase of common stock under stock plans (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618) (13,618)	Accounts receivable		(13,251)	(3,950)		(915)
Accounts payable 2,087 (8,872) 10,886 Accrued expenses 7,771 (2,831) 7,812 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits 3,188 1,527 5,893 Other (3,509) 870 (3,128) Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities 7,751,868 (686,550) (422,633) Maturities and sales of investments 657,250 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired 14,285 (10,23) — Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for purchased technology 10,338 — Net cash paid for purchased technology 11,042 10,438 — Net cash used in investing activities 41,438 41,533 — Return cash used in investing activities 43	Unbilled revenue		(2,308)	(242)		(563)
Accrued expenses 7,771 (2,81) 7,812 Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits (3,188) 1,527 5,893 Other (3,509) 870 (3,128) Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities Purchases of investments (751,868) (686,650) (422,633) Maturities and sales of investments (751,868) (686,650) (422,633) Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Purchases of property, plant, and equipment (14,285) (10,23) — Cash paid for acquisition of business, net of cash acquired (14,285) (10,23) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities 43,468 27,582 16,900 Repurchase of common stock under stock plans	Inventories		10,409	(9,457)		(11,750)
Accrued income taxes 2,110 9,957 7,700 Deferred revenue and customer deposits (3,188) 1,527 5,893 Other (3,509) 870 (3,188) Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities: Text (3,500) (686,650) (422,633) Maturities and sales of investments 657,250 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (1,023) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (12,832) (10,547) (10,407) — Cash flows from financing activities (12,832) (10,407) — (10,407) — (10,407) — (10,407) — (10,407) — (10,407) — (10,407) —	Accounts payable		2,087	(8,872)		10,896
Deferred revenue and customer deposits (3,188) 1,527 5,893 Other (3,509) 870 (3,128) Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities 887,250 601,441 339,470 Purchases of investments (751,868) (686,650) 4(22,633) Maturities and sales of investments 657,250 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Quality of property, plant, and equipment (12,816) (10,23) Cash paid for acquisition of business, net of cash acquired (14,285) (1,023) Net cash received (paid) from sale of discontinued business (113) 104,388 Net cash used in investing activities (121,832) (10,547) (10,4097) Cash flows from financing activities 43,468 27,582 16,930 Repurchase of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,449) (12,631) <td>Accrued expenses</td> <td></td> <td>7,771</td> <td>(2,831)</td> <td></td> <td>7,812</td>	Accrued expenses		7,771	(2,831)		7,812
Other (3,509) 870 (3,128) Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities: ************************************	Accrued income taxes		2,110	9,957		7,700
Net cash provided by operating activities 182,081 128,327 163,841 Cash flows from investing activities: Purchases of investments (751,868) (686,650) (422,633) Maturities and sales of investments 657,250 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (10,23) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities 43,468 27,582 16,930 Repurchase of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,622) (59,673) Payment of contingent consideration (337) — — Net cash used in f	Deferred revenue and customer deposits		(3,188)	1,527		5,893
Cash flows from investing activities: C751,868 (686,650) (422,633) Maturities and sales of investments 657,250 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (1,023) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (13) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities (121,832) (10,547) (104,097) Cash flows from financing activities (47,149) (126,351) (59,673) Repurchase of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (3377) — — Net cash used in financing activities (29,231) (116	Other		(3,509)	870		(3,128)
Purchases of investments (751,868) (686,650) (422,633) Maturities and sales of investments 657,250 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (10,475) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities (121,832) (10,547) (104,097) Cash flows from financing activities 43,468 27,582 16,930 Repurchase of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (3,352) (4,668) <t< td=""><td>Net cash provided by operating activities</td><td></td><td>182,081</td><td>128,327</td><td></td><td>163,841</td></t<>	Net cash provided by operating activities		182,081	128,327		163,841
Maturities and sales of investments 657,250 601,441 339,470 Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (1,023) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities 43,468 27,582 16,930 Repurchase of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock under stock plans (25,213) (18,662) — Payment of dividends (25,213) (18,662) — Payment of common stock (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equival	Cash flows from investing activities:					
Purchases of property, plant, and equipment (12,816) (18,228) (20,934) Cash paid for acquisition of business, net of cash acquired (14,285) (1,023) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities 8 27,582 16,930 Repurchase of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock under stock plans 43,468 27,582 16,930 Payment of common stock under stock plans (47,149) (126,351) (59,673) Payment of common stock under stock plans (25,213) (18,062) — Payment of common stock (25,213) (18,062) — Payment of common stock (29,231) (116,831) (42,743) Effect of foreign exchange activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents <td>Purchases of investments</td> <td></td> <td>(751,868)</td> <td>(686,650)</td> <td></td> <td>(422,633)</td>	Purchases of investments		(751,868)	(686,650)		(422,633)
Cash paid for acquisition of business, net of cash acquired (14,285) (1,023) — Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities: Usuance of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock under stock plans (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$79,641 51,975 55,694	Maturities and sales of investments		657,250	601,441		339,470
Cash paid for purchased technology — (10,475) — Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities: — — — (10,4097) Cash flows from financing activities: — — — 16,930 Repurchase of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchanges on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$79,641	Purchases of property, plant, and equipment		(12,816)	(18,228)		(20,934)
Net cash received (paid) from sale of discontinued business (113) 104,388 — Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities: Standard of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock under stock plans (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$79,641 \$1,975 \$5,694 Non-cash items related to discontinued operations: \$79,641 \$1,533 \$1,099 Depreciation and amortization expense \$7,666 1,141	Cash paid for acquisition of business, net of cash acquired		(14,285)	(1,023)		_
Net cash used in investing activities (121,832) (10,547) (104,097) Cash flows from financing activities: Issuance of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$79,641 \$1,975 \$55,694 Non-cash items related to discontinued operations: Stock-based compensation expense \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense \$ - 566 1,141	Cash paid for purchased technology		_	(10,475)		_
Cash flows from financing activities: 16,930 Issuance of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 \$ 51,975 \$ 55,694 Non-cash items related to discontinued operations: \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense \$ - \$ 1,533 \$ 1,099	Net cash received (paid) from sale of discontinued business		(113)	104,388		_
Issuance of common stock under stock plans 43,468 27,582 16,930 Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 51,975 55,694 Non-cash items related to discontinued operations: \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense - 566 1,141	Net cash used in investing activities		(121,832)	(10,547)		(104,097)
Repurchase of common stock (47,149) (126,351) (59,673) Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 \$ 1,975 \$ 55,694 Non-cash items related to discontinued operations: Stock-based compensation expense \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense - 566 1,141	Cash flows from financing activities:					
Payment of dividends (25,213) (18,062) — Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 \$ 51,975 \$ 55,694 Non-cash items related to discontinued operations: Stock-based compensation expense \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense - 566 1,141	Issuance of common stock under stock plans		43,468	27,582		16,930
Payment of contingent consideration (337) — — Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 \$ 51,975 \$ 55,694 Non-cash items related to discontinued operations: Stock-based compensation expense \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense - 566 1,141	Repurchase of common stock		(47,149)	(126,351)		(59,673)
Net cash used in financing activities (29,231) (116,831) (42,743) Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 \$ 51,975 \$ 55,694 Non-cash items related to discontinued operations: Stock-based compensation expense \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense - 566 1,141	Payment of dividends		(25,213)	(18,062)		_
Effect of foreign exchange rate changes on cash and cash equivalents (3,352) (4,668) (1,951) Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 \$ 51,975 \$ 55,694 Non-cash items related to discontinued operations: Stock-based compensation expense \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense - 566 1,141	Payment of contingent consideration		(337)	_		_
Net change in cash and cash equivalents 27,666 (3,719) 15,050 Cash and cash equivalents at beginning of year 51,975 55,694 40,644 Cash and cash equivalents at end of year \$ 79,641 \$ 51,975 \$ 55,694 Non-cash items related to discontinued operations: Stock-based compensation expense \$ 1,533 \$ 1,099 Depreciation and amortization expense — 566 1,141	Net cash used in financing activities		(29,231)	(116,831)		(42,743)
Cash and cash equivalents at beginning of year51,97555,69440,644Cash and cash equivalents at end of year\$ 79,641\$ 51,975\$ 55,694Non-cash items related to discontinued operations:Stock-based compensation expense\$ -\$ 1,533\$ 1,099Depreciation and amortization expense-5661,141	Effect of foreign exchange rate changes on cash and cash equivalents		(3,352)	(4,668)		(1,951)
Cash and cash equivalents at end of year\$ 79,641\$ 51,975\$ 55,694Non-cash items related to discontinued operations:Stock-based compensation expense\$ — \$ 1,533\$ 1,099Depreciation and amortization expense— 5661,141	Net change in cash and cash equivalents				_	
Non-cash items related to discontinued operations: Stock-based compensation expense \$ — \$ 1,533 \$ 1,099 Depreciation and amortization expense — 566 1,141	Cash and cash equivalents at beginning of year		51,975	55,694		40,644
Stock-based compensation expense \$ - \$ 1,533 \$ 1,099 Depreciation and amortization expense - 566 1,141	Cash and cash equivalents at end of year	\$	79,641	\$ 51,975	\$	55,694
Depreciation and amortization expense – 566 1,141	Non-cash items related to discontinued operations:					
Depreciation and amortization expense – 566 1,141	Stock-based compensation expense	\$	_	\$ 1,533	\$	1,099
		·	_			-
	Capital expenditures		_	482		631

COGNEX CORPORATION - CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY

	Com	mon	Stock	Additional		A	ccumulated Other		Total
(In thousands)	Shares	Р	ar Value	Paid-in Capital	Retained Earnings	Co	mprehensive Loss	Sh	areholders' Equity
Balance as of December 31, 2013	86,831	\$	174	\$ 211,440	\$462,131	\$	(29,833)	\$	643,912
Issuance of common stock under stock plans	1,245		2	16,928	_		_		16,930
Repurchase of common stock	(1,534)		(3)	_	(59,670)		_		(59,673)
Stock-based compensation expense	_		_	15,158	_		_		15,158
Excess tax benefit from stock option exercises	_		_	7,871	_		_		7,871
Tax benefit for research and development credits as a result of stock options	_		_	320	_		_		320
Net income	_		_	_	121,485		_		121,485
Net unrealized loss on cash flow hedges net of tax of \$0	_		_	_	_		(118)		(118)
Reclassification of net realized loss on cash flow hedges	_		_	_	_		46		46
Net unrealized gain on available-for-sale investments, net of tax of \$40	_		_	_	_		579		579
Reclassification of net realized gain on the sale of available-for-sale investments	_		_	_	_		(673)		(673)
Foreign currency translation adjustment, net of tax of (\$870)	_		_	_	_		(9,400)		(9,400)
Balance as of December 31, 2014	86,542	\$	173	\$ 251,717	\$ 523,946	\$	(39,399)	\$	736,437
Issuance of common stock under stock plans	1,520		3	27,579	_		_		27,582
Repurchase of common stock	(3,206)		(6)	_	(126,345)		_		(126,351)
Stock-based compensation expense	_		_	21,274	_		_		21,274
Excess tax benefit from stock option exercises	_		_	9,964	_		_		9,964
Tax benefit for research and development credits as a result of stock options	_		_	474	_		_		474
Payment of dividends	_		_	_	(18,062)		_		(18,062)
Net income	_		_	_	187,074		_		187,074
Net unrealized loss on cash flow hedges, net of tax of \$22	_		_	_	_		(27)		(27)
Reclassification of net realized loss on cash flow hedges	_		_	_	_		201		201
Net unrealized loss on available-for-sale investments, net of tax of (\$279)	_		_	_	_		(939)		(939)
Reclassification of net realized gain on the sale of available-for-sale investments	_		_	_	_		(344)		(344)
Foreign currency translation adjustment, net of tax of (\$711)							(11,616)		(11,616)
Balance as of December 31, 2015	84,856	\$	170	\$ 311,008	\$ 566,613	\$	(52,124)	\$	825,667
Issuance of common stock under stock plans	1,977		4	43,464	_		_		43,468
Repurchase of common stock	(894)		(2)	_	(47,147)		_		(47,149)
Stock-based compensation expense	_		_	20,558	_		_		20,558
Payment of dividends	_		_	_	(25,213)		_		(25,213)
Net income	_		_	_	149,572		_		149,572
Net unrealized loss on cash flow hedges, net of tax of (\$22)	_		_	_	_		(567)		(567)
Reclassification of net realized loss on cash flow hedges	_		_	_	_		398		398
Net unrealized gain on available-for-sale investments, net of tax of \$248	_		_	_	_		1,672		1,672
Reclassification of net realized gain on the sale of available-for-sale investments	_		_	_	_		(191)		(191)
Foreign currency translation adjustment, net of tax of (\$228)	_		_	_	_		(5,616)		(5,616)
Balance as of December 31, 2016	85,939	\$	172	\$ 375,030	\$ 643,825	\$	(56,428)	\$	962,599

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

NOTE 1: Summary of Significant Accounting Policies

The accompanying consolidated financial statements reflect the application of the significant accounting policies described below.

Nature of Operations

Cognex Corporation is a leading provider of machine vision products that capture and analyze visual information in order to automate tasks, primarily in manufacturing processes, where vision is required.

Use of Estimates in the Preparation of Financial Statements

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America (U.S. GAAP) requires management to make estimates and judgments that affect the reported amounts of assets and liabilities and the disclosure of contingent liabilities as of the balance sheet date, and the reported amounts of revenues and expenses during the year. Actual results could differ from those estimates. Significant estimates and judgments include those related to revenue recognition, investments, accounts receivable, inventories, long-lived assets, goodwill, warranty obligations, contingencies, stock-based compensation, income taxes and derivative instruments.

Basis of Consolidation

The consolidated financial statements include the accounts of Cognex Corporation and its subsidiaries, all of which are wholly-owned. All intercompany accounts and transactions have been eliminated.

Foreign Currency Translation

The financial statements of the Company's foreign subsidiaries, where the local currency is the functional currency, are translated using exchange rates in effect at the end of the year for assets and liabilities and average exchange rates during the year for results of operations. The resulting foreign currency translation adjustment, net of tax, is recorded in shareholders' equity as other comprehensive income (loss).

Fair Value Measurements

The Company applies a three-level valuation hierarchy for fair value measurements. The categorization of assets and liabilities within the valuation hierarchy is based upon the lowest level of input that is significant to the measurement of fair value. Level 1 inputs to the valuation methodology utilize unadjusted quoted market prices in active markets for identical assets and liabilities. Level 2 inputs to the valuation methodology are other observable inputs, including quoted market prices for similar assets and liabilities, quoted prices for identical and similar assets and liabilities in markets that are not active, or other inputs that are observable or can be corroborated by observable market data. Level 3 inputs to the valuation methodology are unobservable inputs based upon management's best estimate of the inputs that market participants would use in pricing the asset or liability at the measurement date, including assumptions about risk. A change to the level of an asset or liability within the fair value hierarchy is determined at the end of a reporting period.

Cash, Cash Equivalents, and Investments

Money market instruments purchased with original maturities of three months or less are classified as cash equivalents and are stated at amortized cost. Debt securities with original maturities greater than three months and remaining maturities of one year or less are classified as short-term investments, as well as equity securities that the Company intends to sell within one year. Debt securities with remaining maturities greater than one year, as well as a limited partnership interest, are classified as long-term investments. It is the Company's policy to invest in debt securities with effective maturities that do not exceed ten years.

Debt securities with original maturities greater than three months are designated as available-for-sale and are reported at fair value, with unrealized gains and losses, net of tax, recorded in shareholders' equity as other comprehensive income (loss). Equity securities that are held for short periods of time with the intention of selling them in the near term are designated as trading and are reported at fair value, with unrealized gains and losses recorded in current operations. Realized gains and losses are included in current operations, along with the amortization of the discount or premium on debt securities arising at acquisition, and are calculated using the specific identification method. The Company's limited partnership interest is accounted for using the cost method because the Company's investment is less than 5% of the partnership and the Company has no influence over the partnership's operating and financial policies.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Management monitors the carrying value of its investments in debt securities and a limited partnership interest compared to their fair value to determine whether an other-than-temporary impairment has occurred. If the fair value of a debt security is less than its amortized cost, the Company assesses whether the impairment is other-than-temporary. In considering whether a decline in fair value is other-than-temporary, we consider many factors. In its evaluation of its debt securities, management considers the type of security, the credit rating of the security, the length of time the security has been in a loss position, the size of the loss position, our intent and ability to hold the security to expected recovery of value, and other meaningful information. An impairment is considered other-than-temporary if (i) the Company has the intent to sell the security, (ii) it is more likely than not that the Company will be required to sell the security before recovery of the entire amortized cost basis, or (iii) the Company does not expect to recover the entire amortized cost basis of the security. If impairment is considered other-than-temporary based upon condition (i) or (ii) described above, the entire difference between the amortized cost and the fair value of the security is recognized in current operations. If an impairment is considered other-than-temporary based upon condition (iii), the amount representing credit losses (defined as the difference between the present value of the cash flows expected to be collected and the amortized cost basis of the security) is recognized in current operations and the amount relating to all other factors is recognized in shareholders' equity as other comprehensive income (loss). In its evaluation of its limited partnership interest, management considers the duration and extent of the decline, the length of the Company's commitment to the investment, general economic trends, and specific communications with the General Partner.

Accounts Receivable

The Company extends credit with various payment terms to customers based upon an evaluation of their financial condition. Accounts that are outstanding longer than the payment terms are considered to be past due. The Company establishes reserves against accounts receivable for potential credit losses and records bad debt expense in current operations when it determines receivables are at risk for collection based upon the length of time the receivable has been outstanding, the customer's current ability to pay its obligations to the Company, general economic and industry conditions, as well as various other factors. Receivables are written off against these reserves in the period they are determined to be uncollectible and payments subsequently received on previously written-off receivables are recorded as a reversal of the bad debt expense.

Inventories

Inventories are stated at the lower of cost or market. Cost is determined using standard costs, which approximates actual costs under the first-in, first-out (FIFO) method. The Company's inventory is subject to rapid technological change or obsolescence. The Company reviews inventory quantities on hand and estimates excess and obsolescence exposures based upon assumptions about future demand, product transitions, and market conditions, and records reserves to reduce the carrying value of inventories to their net realizable value. If actual future demand is less than estimated, additional inventory write-downs would be required.

The Company generally disposes of obsolete inventory upon determination of obsolescence. The Company does not dispose of excess inventory immediately, due to the possibility that some of this inventory could be sold to customers as a result of differences between actual and forecasted demand. When inventory has been written down below cost, such reduced amount is considered the new cost basis for subsequent accounting purposes. As a result, the Company would recognize a higher than normal gross margin if the reserved inventory were subsequently sold.

Property, Plant, and Equipment

Property, plant, and equipment are stated at cost and depreciated using the straight-line method over the assets' estimated useful lives. Buildings' useful lives are 39 years, building improvements' useful lives are ten years, and the useful lives of computer hardware and software, manufacturing test equipment, and furniture and fixtures range from two to five years. Leasehold improvements are depreciated over the shorter of the estimated useful lives or the remaining terms of the leases. Maintenance and repairs are expensed when incurred; additions and improvements are capitalized. Upon retirement or disposition, the cost and related accumulated depreciation of the disposed assets are removed from the accounts, with any resulting gain or loss included in current operations.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Goodwill

Goodwill is stated at cost. The Company evaluates the possible impairment of goodwill annually each fourth quarter and whenever events or circumstances indicate the carrying value of the goodwill may not be recoverable. For the past six years, the Company has performed a qualitative assessment of goodwill (commonly known as "step zero") to determine whether further impairment testing is necessary. Factors that management considers in this assessment include macroeconomic conditions, industry and market considerations, overall financial performance (both current and projected), changes in management or strategy, and changes in the composition or carrying amount of net assets. In addition, management takes into consideration the goodwill valuation under the last quantitative analysis that was performed. If this qualitative assessment indicates that it is more likely than not that the fair value of a reporting unit is less than its carrying amount, the entity would proceed to a two-step process. Step one compares the fair value of the reporting unit with its carrying value, including goodwill. If the carrying amount exceeds the fair value of the reporting unit, step two is required to measure the amount of impairment loss. Step two compares the implied fair value of the reporting unit goodwill to the carrying amount of the goodwill.

Intangible Assets

Intangible assets are stated at cost and amortized over the assets' estimated useful lives. Intangible assets are either amortized in relation to the relative cash flows anticipated from the intangible asset or using the straight-line method, depending upon facts and circumstances. The useful lives of distribution networks range from eleven to twelve years, of customer contracts and relationships from five to seven years, and of completed technologies and other intangible assets from five to seven years. The Company evaluates the possible impairment of long-lived assets, including intangible assets, whenever events or circumstances indicate the carrying value of the assets may not be recoverable. At the occurrence of a certain event or change in circumstances, the Company evaluates the potential impairment of an asset by estimating the future undiscounted cash flows expected to result from the use and eventual disposition of the asset. If the sum of the estimated future cash flows is less than the carrying value, the Company determines the amount of such impairment by comparing the fair value of the asset to its carrying value. The fair value is based upon the present value of the estimated future cash flows using a discount rate commensurate with the risks involved.

Warranty Obligations

The Company warrants its products to be free from defects in material and workmanship for periods primarily ranging from one to three years from the time of sale based upon the product being purchased and the terms of the customer arrangement. Warranty obligations are evaluated and recorded at the time of sale since it is probable that customers will make claims under warranties related to products that have been sold and the amount of these claims can be reasonably estimated based upon historical costs to fulfill claims. Obligations may also be recorded subsequent to the time of sale whenever specific events or circumstances impacting product quality become known that would not have been taken into account using historical data.

Contingencies

Loss contingencies are accrued if the loss is probable and the amount of the loss can be reasonably estimated. Legal costs associated with potential loss contingencies, such as patent infringement matters, are expensed as incurred.

Revenue Recognition

The Company's product revenue is derived from the sale of machine vision systems, which can take the form of hardware with embedded software or software-only, and related accessories. The Company also generates revenue by providing maintenance and support, consulting, and training services to its customers. Certain of the Company's arrangements include multiple deliverables that provide the customer with a combination of products or services. In order to recognize revenue, the Company requires that a signed customer contract or purchase order is received, the fee from the arrangement is fixed or determinable, and collection of the resulting receivable is probable. Assuming that these criteria have been met, product revenue is generally recognized upon delivery, revenue from maintenance and support programs is recognized ratably over the program period, and revenue from consulting and training services is recognized when the services have been provided. When customer-specified acceptance criteria exists that are substantive, product revenue is deferred, along with associated incremental direct costs, until these criteria have been met and any remaining performance obligations are inconsequential or perfunctory.

For the majority of the Company's revenue transactions, revenue recognition and invoicing both occur upon delivery. In certain circumstances, however, the agreement with the customer provides for invoicing terms which differ from revenue recognition criteria, resulting in either deferred revenue or unbilled revenue. Invoicing that precedes revenue recognition is common for various customers in the logistics industry where milestone billings are prevalent, resulting

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

in deferred revenue. Conversely, the Company records unbilled revenue in connection with a material customer in the consumer electronics industry. For this arrangement, the Company recognizes revenue for all delivered products when the first production line that incorporates these products is validated, because at that point the remaining performance obligations are inconsequential or perfunctory. Invoicing for all delivered products occurs as the production lines incorporating those products are installed over a period of several weeks. The Company also has a technical support obligation related to this arrangement for which revenue is deferred and recognized over the support period of approximately six months.

The majority of the Company's product offerings consist of hardware with embedded software. Under the revenue recognition rules for tangible products, the fee from a multiple-deliverable arrangement is allocated to each of the deliverables based upon their relative selling prices as determined by a selling-price hierarchy. A deliverable in an arrangement qualifies as a separate unit of accounting if the delivered item has value to the customer on a stand-alone basis. A delivered item that does not qualify as a separate unit of accounting is combined with the other undelivered items in the arrangement and revenue is recognized for those combined deliverables as a single unit of accounting. The selling price used for each deliverable is based upon vendor-specific objective evidence (VSOE) if available, third-party evidence (TPE) if VSOE is not available, and management's best estimate of selling price (BESP) if neither VSOE nor TPE are available. VSOE is the price charged for a deliverable when it is sold separately. TPE is the price of the Company's or any competitor's largely interchangeable products or services in stand-alone sales to similarly-situated customers. BESP is the price at which the Company would sell the deliverable if it were sold regularly on a stand-alone basis, considering market conditions and entity-specific factors.

The selling prices used in the relative selling price allocation method for (1) certain of the Company's services are based upon VSOE, (2) third-party accessories available from other vendors are based upon TPE, and (3) hardware products with embedded software, custom accessories, and services for which VSOE does not exist are based upon BESP. The Company does not believe TPE exists for these products and services because they are differentiated from competing products and services in terms of functionality and performance and there are no competing products or services that are largely interchangeable. BESP has been established for each product line within each region. Management establishes BESP with consideration for market conditions, such as the impact of competition and geographic considerations, and entity-specific factors, such as pricing practices, gross margin objectives, customer size, and market share goals. Management believes that BESP is reflective of reasonable pricing of that deliverable as if priced on a stand-alone basis.

Under the revenue recognition rules for software-only products, the fee from a multiple-deliverable arrangement is allocated to each of the undelivered elements based upon VSOE, which is limited to the price charged when the same deliverable is sold separately, with the residual value from the arrangement allocated to the delivered element. The portion of the fee that is allocated to each deliverable is then recognized as revenue when the criteria for revenue recognition are met with respect to that deliverable. If VSOE does not exist for all of the undelivered elements, then all revenue from the arrangement is typically deferred until all elements have been delivered to the customer.

The Company's products are sold directly to end users, as well as to resellers including original equipment manufacturers (OEMs), distributors, and integrators. Revenue is recognized upon delivery of the product to the reseller, assuming all other revenue recognition criteria have been met. The Company establishes reserves against revenue for potential product returns, since the amount of future returns can be reasonably estimated based upon experience. These reserves have historically been immaterial.

Certain customers are offered pricing discounts on current sales based upon purchasing volumes or preferred pricing arrangements, for which revenue is reported net of these discounts.

The Company reports revenue for certain of its product accessory sales on a net basis, by reducing the gross sale amount by the related costs, when certain factors in the arrangement with the customer indicate that the Company is acting as an agent, rather than as a principal.

Amounts billed to customers related to shipping and handling, as well as reimbursements received from customers for out-of-pocket expenses, are classified as revenue, with the associated costs included in cost of revenue.

Research and Development

Research and development costs for internally-developed or acquired products are expensed when incurred until technological feasibility has been established for the product. Thereafter, all software costs may be capitalized until the product is available for general release to customers. The Company determines technological feasibility at the time the product reaches beta in its stage of development. Historically, the time incurred between beta and general release to customers has been short, and therefore, the costs have been insignificant.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Advertising Costs

Advertising costs are expensed as incurred and totaled \$1,674,000 in 2016, \$2,009,000 in 2015, and \$2,609,000 in 2014.

Stock-Based Compensation

The Company's share-based payments that result in compensation expense consist of stock option grants and restricted stock awards. The Company has reserved a specific number of shares of its authorized but unissued shares for issuance upon the exercise of stock options or the granting of restricted stock. When a stock option is exercised or a restricted stock award is granted, the Company issues new shares from this pool. The fair values of stock options are estimated on the grant date using a binomial lattice model. Management is responsible for determining the appropriate valuation model and estimating these fair values, and in doing so, considers a number of factors, including information provided by an outside valuation advisor.

The Company recognizes compensation expense related to stock options using the graded attribution method, in which expense is recognized on a straight-line basis over the service period for each separately vesting portion of the stock option as if the option was, in substance, multiple awards. The amount of compensation expense recognized at the end of the vesting period is based upon the number of stock options for which the requisite service has been completed. No compensation expense is recognized for options that are forfeited for which the employee does not render the requisite service. The term "forfeitures" is distinct from "expirations" and represents only the unvested portion of the surrendered option. The Company applies estimated forfeiture rates to its unvested options to arrive at the amount of compensation expense that is expected to be recognized over the requisite service period. At the end of each separately vesting portion of an option, the expense that was recognized by applying the estimated forfeiture rate is compared to the expense that should be recognized based upon the employee's service, and a credit to expense is recorded related to those employees that have not rendered the requisite service.

Taxes

The Company recognizes a tax position in its financial statements when that tax position, based solely upon its technical merits, is more likely than not to be sustained upon examination by the relevant taxing authority. Those tax positions failing to qualify for initial recognition are recognized in the first interim period in which they meet the more likely than not standard, or are resolved through negotiation or litigation with the taxing authority, or upon expiration of the statutes of limitations. Derecognition of a tax position that was previously recognized occurs when an entity subsequently determines that a tax position no longer meets the more likely than not threshold of being sustained.

Only the portion of the liability that is expected to be paid within one year is classified as a current liability. As a result, liabilities expected to be resolved without the payment of cash (e.g., resolution due to the expiration of the statutes of limitations) or are not expected to be paid within one year are not classified as current. It is the Company's policy to record estimated interest and penalties as income tax expense and tax credits as a reduction in income tax expense.

Deferred tax assets and liabilities are determined based upon the differences between the financial statement and tax bases of assets and liabilities as measured by the enacted tax rates that will be in effect when these differences reverse. Valuation allowances are provided if, based upon the weight of available evidence, it is more likely than not that some or all of the deferred tax assets will not be realized.

Sales tax in the United States and similar taxes in other jurisdictions that are collected from customers and remitted to government authorities are presented on a gross basis (i.e., a receivable from the customer with a corresponding payable to the government). Amounts collected from customers and retained by the Company during tax holidays are recognized as non-operating income when earned.

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Net Income Per Share

Basic net income per share is computed by dividing net income available to common shareholders by the weighted-average number of common shares outstanding for the period. Diluted net income per share is computed by dividing net income available to common shareholders by the weighted-average number of common shares outstanding for the period plus potential dilutive common shares. Dilutive common equivalent shares consist of stock options and are calculated using the treasury stock method. Common equivalent shares do not qualify as participating securities. In periods where the Company records a net loss, potential common stock equivalents are not included in the calculation of diluted net loss per share.

Comprehensive Income

Comprehensive income is defined as the change in equity of a company during a period from transactions and other events and circumstances, excluding transactions resulting from investments by owners and distributions to owners. Accumulated other comprehensive loss, net of tax, as of December 31, 2016 and December 31, 2015, consists of foreign currency translation adjustments of \$55,262,000 and \$49,646,000, respectively; net unrealized gains on available-for-sale investments of \$68,000 and net unrealized losses on available-for-sale investments of \$1,413,000, respectively; net unrealized gains on derivative instruments of \$37,000 and \$206,000, respectively; and losses on currency swaps, net of gains on long-term intercompany loans of \$1,271,000 in each year.

Amounts reclassified from accumulated other comprehensive income to investment income on the Consolidated Statements of Operations were net realized gains of \$191,000, \$344,000, and \$673,000 for 2016, 2015, and 2014, respectively.

Concentrations of Risk

Financial instruments that potentially subject the Company to concentrations of credit risk consist primarily of cash, cash equivalents, investments, and trade receivables. The Company has certain domestic and foreign cash balances that exceed the insured limits set by the Federal Deposit Insurance Corporation (FDIC) in the United States and equivalent regulatory agencies in foreign countries. The Company primarily invests in investment-grade debt securities and has established guidelines relative to credit ratings, diversification, and maturities of its debt securities that maintain safety and liquidity. The Company has not experienced any significant realized losses on its debt securities.

The Company performs ongoing credit evaluations of its customers and maintains allowances for potential credit losses. The Company has not experienced any significant losses related to the collection of its accounts receivable.

A significant portion of the Company's product is manufactured by a third-party contractor located in Indonesia. This contractor has agreed to provide Cognex with termination notification periods and last-time-buy rights, if and when that may be applicable. We rely upon this contractor to provide quality product and meet delivery schedules. We engage in extensive product quality programs and processes, including actively monitoring the performance of our third-party manufacturers; however, we may not detect all product quality issues through these programs and processes.

Certain components are presently sourced from a single vendor that is selected based on price and performance considerations. In the event of a supply disruption from a single-source vendor, these components may be purchased from an alternative vendor, which may result in manufacturing delays based on the lead time of the new vendor. Certain key electronic and mechanical components that are purchased from strategic suppliers, such as processors or imagers, are fundamental to the design of Cognex products. A disruption in the supply of these key components, such as a last-time-buy announcement, natural disaster, financial bankruptcy, or other event, may require us to purchase a significant amount of inventory at unfavorable prices resulting in lower gross margins and higher risk of carrying excess inventory. If we are unable to secure adequate supply from alternative sources, we may have to redesign our products, which may lead to a delay in manufacturing and a possible loss of sales.

Derivative Instruments

Derivative instruments are recorded on the Consolidated Balance Sheets at fair value. Changes in the fair value of derivatives are recorded each period in current operations or in shareholders' equity as other comprehensive income (loss), depending upon whether the derivative is designated as a hedge transaction and, if it is, the effectiveness of the hedge. At the inception of the contract, the Company designates foreign currency forward exchange contracts as either a cash flow hedge of certain forecasted foreign currency denominated sales and purchase transactions or as an economic hedge. Changes in the fair value of a derivative that is highly effective and that is designated and qualifies as a cash flow hedge are recorded in shareholders' equity as other comprehensive income (loss), and reclassified into current operations in the same period during which the hedged transaction affects current operations and in the same

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financial statement line item as that of the forecasted transaction. Cash flow hedges are evaluated for effectiveness quarterly. Any hedge ineffectiveness (which represents the amount by which the changes in the fair value of the derivative exceed the variability in the cash flows of the forecasted transaction) is recorded in current operations in the period in which ineffectiveness is determined. Changes in the fair value of the Company's economic hedges (not designated as a cash flow hedge) are reported in current operations. The cash flows from derivative instruments are presented in the same category on the Consolidated Statements of Cash Flows as the category for the cash flows from the hedged item. Generally, this accounting policy election results in cash flows related to derivative instruments being classified as an operating activity on the Consolidated Statements of Cash Flows.

The Company formally documents all relationships between hedging instruments and hedged items, as well as its risk-management objective and strategy for undertaking various hedge transactions. This process includes linking all derivatives that are designated as cash flow hedges to specific forecasted transactions. The Company also formally assesses (both at the hedge's inception and on an ongoing basis) whether the derivatives that are used in hedging transactions have been highly effective in offsetting changes in the fair value or cash flows of hedged items and whether those derivatives may be expected to remain highly effective in future periods. When it is determined that a derivative is not (or has ceased to be) highly effective as a hedge, the Company discontinues hedge accounting prospectively, as discussed below.

The Company discontinues hedge accounting prospectively when (1) it determines that the derivative is no longer effective in offsetting changes in the cash flows of a hedged item; (2) the derivative expires or is sold, terminated, or exercised; (3) it is no longer probable that the forecasted transaction will occur; or (4) management determines that designating the derivative as a hedging instrument is no longer appropriate or desired. When the Company discontinues hedge accounting because it is no longer probable that the forecasted transaction will occur in the originally expected period, the gain or loss on the derivative remains in accumulated other comprehensive income (loss) and is reclassified into current operations when the forecasted transaction affects current operations. However, if it is probable that a forecasted transaction will not occur by the end of the originally specified time period or within an additional two-month period of time thereafter, the gain or loss that was accumulated in other comprehensive income (loss) is recognized immediately in current operations. In all situations in which hedge accounting is discontinued and the derivative remains outstanding, the Company carries the derivative at fair value on the Consolidated Balance Sheets, recognizing changes in the fair value in current operations, unless it is designated in a new hedging relationship.

The Company recognizes all derivative instruments as either current assets or current liabilities at fair value on the Consolidated Balance Sheets. When the Company is engaged in more than one outstanding derivative contract with the same counterparty and also has a legally enforceable master netting agreement with that counterparty, the "net" mark-to-market exposure represents the netting of the positive and negative exposures with that counterparty. Accordingly, cash flow hedges are presented net on the Consolidated Balance Sheets.

NOTE 2: New Pronouncements

Accounting Standards Update (ASU) 2014-09, "Revenue from Contracts with Customers"

The amendments in ASU 2014-09 will supersede and replace all currently existing U.S. GAAP, including industry-specific revenue recognition guidance, with a single, principle-based revenue recognition framework. The concept guiding this new model is that revenue recognition will depict transfer of control to the customer in an amount that reflects consideration to which an entity expects to be entitled. The core principles supporting this framework include (1) identifying the contract with a customer, (2) identifying separate performance obligations within the contract, (3) determining the transaction price, (4) allocating the transaction price to the performance obligations, and (5) recognizing revenue. This new framework will require entities to apply significantly more judgment. This increase in management judgment will require expanded disclosure on estimation methods, inputs, and assumptions for revenue recognition.

In March 2016, ASU 2016-08, "Principal versus Agent Considerations (Reporting Revenue Gross versus Net)," was issued, in April 2016, ASU 2016-10, "Identifying Performance Obligations and Licensing," was issued, in May 2016, ASU 2016-12, "Narrow-Scope Improvements and Practical Expedients" was issued, and in December 2016, ASU 2016-20. "Technical Corrections and Improvements," was issued. These Updates do not change the core principle of the guidance under ASU 2014-09, but rather provide implementation guidance. ASU 2015-14, "Deferral of the effective date," amended the effective date of ASU 2014-09 for public companies to annual reporting periods beginning after December 15, 2017. Early adoption is permitted, but only beginning after December 15, 2016. The Financial Accounting Standards Board may release additional implementation guidance in future periods.

We expect to adopt this standard using the full retrospective method to present all periods reported on a consistent basis. Upon adoption, revenue for software-only products sold as part of multiple-deliverable arrangements will no

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longer be deferred when vendor-specific objective evidence of fair value does not exist for undelivered elements of the arrangement. This change will result in earlier recognition of revenue. In addition, we expect certain of the Company's product accessory sales, which are currently reported on a net basis, to be reported on a gross basis as a result of applying the expanded guidance in the new standard related to principal versus agent considerations. This change will result in the Company reporting higher revenue and higher cost of revenue when these sales are reported on a gross basis, although the gross margin dollars will not change. We do not expect either of these changes to have a material impact on total revenue. Management will continue to evaluate the impact of this standard.

Accounting Standards Update (ASU) 2015-11, "Inventory - Simplifying the Measurement of Inventory"

ASU 2015-11 requires companies to measure most inventory at the lower of cost and net realizable value, thereby simplifying the current guidance under which a company must measure inventory at the lower of cost or market. This ASU eliminates the need to determine replacement cost and evaluate whether said cost is within a quantitative range. This ASU also further aligns U.S. GAAP and international accounting standards. For public companies, the guidance in ASU 2015-11 is effective for annual periods beginning after December 15, 2016, and interim periods within those annual periods. Early adoption is permitted. Management does not expect ASU 2015-11 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-01, "Financial Instruments - Recognition and Measurement of Financial Assets and Financial Liabilities"

ASU 2016-01 provides guidance related to certain aspects of recognition, measurement, presentation, and disclosure of financial instruments. The amendments in this Update affect all entities that hold financial assets or owe financial liabilities. This ASU requires equity investments (except those accounted under the equity method) to be measured at fair value with changes in fair value recognized in net income. However, an entity may choose to measure equity investments that do not have readily determinable fair values at cost minus impairment. This ASU also eliminates the requirement for public companies to disclose the methods and significant assumptions used to estimate the fair value for financial instruments measured at amortized cost on the balance sheet, and it requires separate presentation of financial assets and financial liabilities by measurement category and form of financial asset on the balance sheet or the accompanying notes to the financial statements. For public companies, the guidance in ASU 2016-01 is effective for annual periods beginning after December 15, 2017, and interim periods within those annual periods. Early adoption is not permitted except for certain amendments in this Update. Management does not expect ASU 2016-01 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-02, "Leases"

ASU 2016-02 creates Topic 842, Leases. The objective of this Update is to increase transparency and comparability among organizations by recognizing lease assets and lease liabilities on the balance sheet, and disclosing key information about leasing arrangements. This ASU applies to any entity that enters into a lease, although lessees will see the most significant changes. The main difference between current U.S. GAAP and Topic 842 is the recognition of lease assets and lease liabilities on the balance sheet for those leases classified as operating leases under current U.S. GAAP. Topic 842 distinguishes between finance leases and operating leases, which are substantially similar to the classification criteria for distinguishing between capital leases and operating leases under current U.S. GAAP. For public companies, the guidance in ASU 2016-02 is effective for annual periods beginning after December 15, 2018, and interim periods within those annual periods. This ASU should be applied using a modified retrospective approach. Management is in the process of evaluating the impact of this Update.

Accounting Standards Update (ASU) 2016-05, "Derivatives and Hedging - Effect of Derivative Contract Novations on Existing Hedge Accounting Relationships"

ASU 2016-05 applies to all reporting entities for which there is a change in the counterparty to a derivative instrument that has been designated as the hedging instrument. The amendments in this Update clarify that a change in the counterparty does not, in and of itself, require de-designation of that hedging relationship provided that all other hedge accounting criteria continue to be met. For public companies, the guidance in ASU 2016-05 is effective for annual periods beginning after December 15, 2016, and interim periods within those annual periods. This ASU should be applied on either a prospective basis or a modified retrospective basis. Management does not expect ASU 2016-05 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-13. "Financial Instruments - Measurement of Credit Losses"

ASU 2016-13 applies to all reporting entities holding financial assets that are not accounted for at fair value through net income (debt securities). The amendments in this Update eliminate the probable initial recognition threshold to

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recognize a credit loss under current U.S. GAAP and, instead, reflect an entity's current estimate of all expected credit losses. In addition, this Update broadens the information an entity must consider in developing the credit loss estimate, including the use of reasonable and supportable forecasted information. The amendments in this Update require that credit losses on available-for-sale debt securities be presented as an allowance rather than as a write-down and an entity will be able to record reversals of credit losses in current period net income. For public companies, the guidance in ASU 2016-13 is effective for annual periods beginning after December 15, 2019, and interim periods within those annual periods. This ASU should be applied through a cumulative-effect adjustment to retained earnings as of the beginning of the first reporting period in which the guidance is effective. Management does not expect ASU 2016-13 to have a material impact on the Company's financial statements and disclosures.

Accounting Standards Update (ASU) 2016-16, "Income Taxes - Intra-Entity Transfers of Assets Other than Inventory"

ASU 2016-16 applies to all reporting entities with intra-entity transfers of assets other than inventory. The amendments in this Update allow the recognition of deferred income taxes for an intra-entity transfer of an asset other than inventory when the transfer occurs, as opposed to when the asset has been sold to an outside party under current U.S. GAAP. Two common examples of assets included in the scope of this Update are intellectual property and property, plant, and equipment. For public companies, the amendments in ASU 2016-16 are effective for annual reporting periods beginning after December 15, 2017, and interim reporting periods within those annual periods. Early adoption is permitted for all entities as of the beginning of an annual reporting period for which financial statements (interim or annual) have not been issued or made available for issuance. This ASU should be applied on a modified retrospective basis through a cumulative-effect adjustment directly to retained earnings as of the beginning of the period of adoption. Management is in the process of evaluating the impact of this Update.

NOTE 3: Fair Value Measurements

Financial Assets and Liabilities that are Measured at Fair Value on a Recurring Basis

The following table summarizes the financial assets and liabilities measured at fair value on a recurring basis as of December 31, 2016 (in thousands):

	Acti for	ed Prices in ve Markets r Identical ets (Level 1)	Significant Other Observable Inputs (Level 2)		able Inputs /el 3)
Assets:	<u> </u>				
Money market instruments	\$	2,334	\$	_	\$ _
Corporate bonds		_		311,140	_
Treasury bills		_		159,455	_
Asset-backed securities		_		96,560	_
Euro liquidity fund		_		46,499	_
Sovereign bonds		_		30,883	_
Agency bonds		_		13,242	_
Municipal bonds		_		7,750	_
Cash flow hedge forward contracts		_		43	_
Economic hedge forward contracts		_		1	_
Liabilities:					
Economic hedge forward contracts		_		(11)	_
Contingent consideration liabilities		_		_	(4,173)

The Company's money market instruments are reported at fair value based upon the daily market price for identical assets in active markets, and are therefore classified as Level 1.

The Company's debt securities and forward contracts are reported at fair value based upon model-driven valuations in which all significant inputs are observable or can be derived from or corroborated by observable market data for substantially the full term of the asset or liability, and are therefore classified as Level 2. Management is responsible for estimating the fair value of these financial assets and liabilities, and in doing so, considers valuations provided by a large, third-party pricing service. For debt securities, this service maintains regular contact with market makers, brokers, dealers, and analysts to gather information on market movement, direction, trends, and other specific data.

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They use this information to structure yield curves for various types of debt securities and arrive at the daily valuations. The Company's forward contracts are typically traded or executed in over-the-counter markets with a high degree of pricing transparency. The market participants are generally large commercial banks.

The Company did not record an other-than-temporary impairment of these financial assets in 2016, 2015, or 2014.

The Company's contingent consideration liabilities are reported at fair value based upon probability-adjusted present values of the consideration expected to be paid, using significant inputs that are not observable in the market, and are therefore classified as Level 3. Key assumptions used in these estimates include probability assessments with respect to the likelihood of achieving certain revenue milestones, for the Manatee Works, Inc. (Manatee) and Chiaro Technologies LLC (Chiaro) acquisitions, and the likelihood of completing certain tasks for the EnShape GmbH (EnShape) acquisition. The fair values of these contingent consideration liabilities were calculated using discount rates consistent with the level of risk of achievement, and are remeasured each reporting period with changes in fair value recorded in "Other income (expense)" on the Consolidated Statements of Operations.

The following table summarizes the activity for the Company's liabilities measured at fair value using Level 3 inputs (in thousands):

Balance as of December 31, 2014	\$ _
Contingent consideration resulting from Manatee acquisition	3,790
Fair value adjustment to Manatee contingent consideration	(790)
Balance as of December 31, 2015	3,000
Payment of Manatee contingent consideration	(337)
Fair value adjustment to Manatee contingent consideration	(463)
Contingent consideration resulting from EnShape acquisition	1,362
Contingent consideration resulting from Chiaro acquisition	611
Balance as of December 31, 2016	\$ 4,173

Refer to Note 20 to the Consolidated Financial Statements for further information regarding acquisitions.

Financial Assets that are Measured at Fair Value on a Non-recurring Basis

The Company has an interest in a limited partnership, which is accounted for using the cost method. During 2016, the Company received a distribution from the Partnership that was accounted for as a return of capital and reduced the carrying value of this investment to zero. Accordingly, the Company is no longer required to measure this investment at fair value on a non-recurring basis.

Non-financial Assets that are Measured at Fair Value on a Non-recurring Basis

Non-financial assets such as property, plant, and equipment, goodwill, and intangible assets are required to be measured at fair value only when an impairment loss is recognized. The Company did not record an impairment charge related to these assets in 2016, 2015, or 2014.

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NOTE 4: Cash, Cash Equivalents, and Investments

Cash, cash equivalents, and investments consisted of the following (in thousands):

	December 31,						
	 2016		2015				
Cash	\$ 77,307	\$	45,951				
Money market instruments	2,334		6,024				
Cash and cash equivalents	79,641		51,975				
Corporate bonds	141,188		54,376				
Asset-backed securities	69,614		61,994				
Treasury bills	67,175		109,360				
Euro liquidity fund	46,499		47,730				
Sovereign bonds	7,298		21,440				
Municipal bonds	6,517		590				
Agency bonds	2,903		978				
Short-term investments	341,194		296,468				
Corporate bonds	 169,952		176,575				
Treasury bills	92,280		44,437				
Asset-backed securities	26,946		24,582				
Sovereign bonds	23,585		13,503				
Agency bonds	10,339		8,180				
Municipal bonds	1,233		4,869				
Limited partnership interest (accounted for using cost method)	_		942				
Long-term investments	324,335		273,088				
	\$ 745,170	\$	621,531				

The Company's cash balance included foreign bank balances totaling \$68,076,000 and \$39,279,000 as of December 31, 2016 and 2015, respectively.

Corporate bonds consist of debt securities issued by both domestic and foreign companies; asset-backed securities consist of debt securities collateralized by pools of receivables or loans with credit enhancement; treasury bills consist of debt securities issued by the U.S. government; the Euro liquidity fund invests in a portfolio of investment-grade bonds; sovereign bonds consist of direct debt issued by foreign governments; municipal bonds consist of debt securities issued by state and local government entities; and agency bonds consist of domestic or foreign obligations of government agencies and government-sponsored enterprises that have government backing. The Euro liquidity fund is denominated in Euros, and the remaining securities are denominated in U.S. Dollars.

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The following table summarizes the Company's available-for-sale investments as of December 31, 2016 (in thousands):

	Amortized		Gross Unrealized		Gross Unrealized	
	Cost		Gains		Losses	Fair Value
Short-term:						
Corporate bonds	\$ 141,216	\$	37	\$	(65)	\$ 141,188
Asset-backed securities	69,623		18		(27)	69,614
Treasury bills	67,201		21		(47)	67,175
Euro liquidity fund	46,173		326		_	46,499
Sovereign bonds	7,313		_		(15)	7,298
Municipal bonds	6,517		2		(2)	6,517
Agency bonds	2,900		3		_	2,903
Long-term:						
Corporate bonds	169,911		406		(365)	169,952
Treasury bills	92,392		40		(152)	92,280
Asset-backed securities	26,968		25		(47)	26,946
Sovereign bonds	23,704		6		(125)	23,585
Agency bonds	10,310		29		_	10,339
Municipal bonds	1,236		_		(3)	1,233
	\$ 665,464	\$	913	\$	(848)	\$ 665,529

The following table summarizes the Company's gross unrealized losses and fair values for available-for-sale investments in an unrealized loss position as of December 31, 2016 (in thousands):

		Unreal Position F 12 N		s than	Unrealized Loss Position For Greater than 12 Months					Total				
	F	air Value	U	Unrealized Losses		Unrealized Fair Value Losses			Fair Value			Unrealized Losses		
Corporate bonds	\$	117,853	\$	(400)	\$	14,931	\$	(30)	\$	132,784	\$	(430)		
Treasury bills		99,358		(199)		_		_		99,358		(199)		
Asset-backed securities		45,429		(70)		5,998		(4)		51,427		(74)		
Sovereign bonds		27,687		(140)		_		_		27,687		(140)		
Municipal bonds		4,028		(5)		_		_		4,028		(5)		
	\$	294,355	\$	(814)	\$	20,929	\$	(34)	\$	315,284	\$	(848)		

As of December 31, 2016, the Company did not recognize any other-than-temporary impairment of these investments. In its evaluation, management considered the type of security, the credit rating of the security, the length of time the security has been in a loss position, the size of the loss position, our intent and ability to hold the security to expected recovery of value, and other meaningful information. The Company does not intend to sell, and is unlikely to be required to sell, any of these available-for-sale investments before its effective maturity or market price recovery.

The Company recorded gross realized gains on the sale of debt securities totaling \$292,000 in 2016, \$549,000 in 2015, and \$843,000 in 2014, and gross realized losses on the sale of debt securities totaling \$101,000 in 2016, \$205,000 in 2015, and \$170,000 in 2014. These gains and losses are included in "Investment income" on the Consolidated Statement of Operations. Prior to the sale of these securities, unrealized gains and losses for these debt securities, net of tax, are recorded in shareholders' equity as other comprehensive income (loss).

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The following table summarizes the effective maturity dates of the Company's available-for-sale investments as of December 31, 2016 (in thousands):

	<1 Year	1-2 Years	2	2-3 Years	3	3-4 Years	4-	5 Years	Total
Corporate bonds	\$ 141,188	\$ 84,007	\$	77,975	\$	2,211	\$	5,759	\$ 311,140
Treasury bills	67,175	92,280		_		_		_	159,455
Asset-backed securities	69,614	8,957		7,372		10,530		87	96,560
Euro liquidity fund	46,499	_		_		_		_	46,499
Sovereign bonds	7,298	19,007		4,578		_		_	30,883
Agency bonds	2,903	7,614		2,725		_		_	13,242
Municipal bonds	6,517	1,233		_		_		_	7,750
	\$ 341,194	\$ 213,098	\$	92,650	\$	12,741	\$	5,846	\$ 665,529

The Company is a Limited Partner in Venrock Associates III, L.P. (Venrock), a venture capital fund. The Company has committed to a total investment in the limited partnership of up to \$20,500,000 with an expiration date of December 31, 2017. The Company does not have the right to withdraw from the partnership prior to this date. As of December 31, 2016, the Company contributed \$19,886,000 to the partnership. The remaining commitment of \$614,000 can be called by Venrock at any time before December 31, 2017. Contributions and distributions are at the discretion of Venrock's management. No contributions were made in 2016. The Company received cash distributions totaling \$2,257,000 in 2016, of which \$942,000 was accounted for as a return of capital, reducing the carrying value of this investment to zero, with the remaining \$1,315,000 recorded as investment income.

NOTE 5: Inventories

Inventories consisted of the following (in thousands):

	Decen	nber 31,	
	2016		2015
Raw materials	\$ 18,224	\$	27,301
Work-in-process	2,760		3,136
Finished goods	6,000		6,897
	\$ 26,984	\$	37,334

NOTE 6: Property, Plant, and Equipment

Property, plant, and equipment consisted of the following (in thousands):

		December 31,				
	2	016		2015		
Land	\$	3,951	\$	3,951		
Buildings		23,280		23,439		
Building improvements		28,049		25,741		
Leasehold improvements		5,237		4,999		
Computer hardware and software		39,409		35,350		
Manufacturing test equipment		18,726		16,201		
Furniture and fixtures		4,843		4,401		
		123,495		114,082		
Less: accumulated depreciation		(69,503)		(60,797)		
	\$	53,992	\$	53,285		

The cost of property, plant, and equipment totaling \$3,191,000 and \$2,285,000 was removed from both the asset and accumulated depreciation balances in 2016 and 2015, respectively. Gains and losses on these disposals were immaterial in both periods.

Buildings include rental property with a cost basis of \$5,750,000 as of December 31, 2016 and 2015, and accumulated depreciation of \$2,922,000 and \$2,775,000 as of December 31, 2016 and 2015, respectively.

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NOTE 7: Goodwill

The changes in the carrying value of goodwill were as follows (in thousands):

	 Amount
Balance as of December 31, 2014	\$ 77,388
Acquisition of Manatee Works, Inc.	4,060
Balance as of December 31, 2015	 81,448
Acquisition of AQSense, S.L.	1,383
Acquisition of EnShape GmbH	8,613
Acquisition of Chiaro Technologies LLC	2,911
Acquisition of Webscan, Inc.	925
Balance as of December 31, 2016	\$ 95,280

Refer to Note 20 to the Consolidated Financial Statements for further information regarding acquisitions.

On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD). Goodwill assigned to SISD was \$4,301,000 and was included as part of the sale. The Company had previously identified SISD, along with its Modular Vision Systems Division (MVSD), as reporting units for purposes of its goodwill impairment test. Given the disposition of SISD, management reviewed its reporting units and concluded that the Company now has one reporting unit.

For its 2016 analysis of goodwill, management elected to perform a qualitative assessment (commonly known as "step zero"). Based upon this assessment, management does not believe that it is more likely than not that the carrying value of the reporting unit exceeds its fair value. Factors that management considered in the qualitative assessment include macroeconomic conditions, industry and market considerations, overall financial performance (both current and projected), changes in management or strategy, and changes in the composition or carrying amount of net assets. In addition, management took into consideration the goodwill valuation as of October 4, 2010, which was the last time it was performed under the two-step process. At that time, this analysis indicated that the fair value of the MVSD reporting unit exceeded its carrying value by approximately 208%. As of December 31, 2016, management does not believe any qualitative factors exist that would change the conclusion of their assessment.

NOTE 8: Intangible Assets

Amortized intangible assets consisted of the following (in thousands):

	Gross Carrying Accumula Value Amortizat				Net Carrying Value		
Distribution networks	\$	38,060	\$	37,422	\$	638	
Customer relationships		6,605		4,836	\$	1,769	
Completed technologies		8,003		2,098		5,905	
Balance as of December 31, 2016	\$	52,668	\$	44,356	\$	8,312	
	_						

	Gross Carrying Value	Accumulated Amortization			Net Carrying Value
Distribution networks	\$ 38,060	\$	35,051	\$	3,009
Customer relationships	4,880		4,749		131
Completed technologies	4,340		1,165		3,175
Balance as of December 31, 2015	\$ 47,280	\$	40,965	\$	6,315

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Estimated amortization expense for each of the five succeeding fiscal years and thereafter is as follows (in thousands):

Year Ended December 31,	1	Amount
2017	\$	2,311
2018		1,770
2019		1,395
2020		971
2021		794
Thereafter		1,071
	\$	8,312

NOTE 9: Accrued Expenses

Accrued expenses consisted of the following (in thousands):

	December 31,				
	2016		2015		
Company bonuses	\$ 11,462	\$	4,895		
Salaries, commissions, and payroll taxes	7,193		4,859		
Vacation	4,860		4,482		
Warranty obligations	4,335		4,174		
Foreign retirement obligations	3,388		3,249		
Other	11,301		11,613		
	\$ 42,539	\$	33,272		
The changes in the warranty obligation were as follows (in thousands):					
Balance as of December 31, 2014		\$	4,086		
Provisions for warranties issued during the period			4,383		
Fulfillment of warranty obligations			(3,873)		
Foreign exchange rate changes			(422)		
Balance as of December 31, 2015			4,174		
Provisions for warranties issued during the period			3,001		
Fulfillment of warranty obligations			(2,689)		
Foreign exchange rate changes			(151)		
Balance as of December 31, 2016		\$	4,335		

NOTE 10: Commitments and Contingencies

Commitments

As of December 31, 2016, the Company had outstanding purchase orders totaling \$3,352,000 to purchase inventory from various vendors. Certain of these purchase orders may be canceled by the Company, subject to cancellation penalties. These purchase commitments relate to expected sales in 2017.

The Company conducts certain of its operations in leased facilities. These lease agreements expire at various dates through 2024 and are accounted for as operating leases. Certain of these leases contain renewal options, retirement obligations, escalation clauses, rent holidays, and leasehold improvement incentives. Annual rental expense totaled \$6,090,000 in 2016, \$5,778,000 in 2015, and \$5,560,000 in 2014.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Future minimum rental payments under these agreements are as follows (in thousands):

Αı	mount
\$	5,054
	3,303
	2,164
	1,853
	1,735
	1,498
\$	15,607

The Company owns buildings adjacent to its corporate headquarters that are partially occupied with tenants who have lease agreements that expire at various dates through 2021. Annual rental income totaled \$1,911,000 in 2016, \$1,921,000 in 2015, and \$1,794,000 in 2014. Rental income and related expenses are included in "Other income (expense)" on the Consolidated Statements of Operations. Future minimum rental receipts under non-cancelable lease agreements are as follows (in thousands):

Year Ended December 31,	Amount
2017	\$ 812
2018	530
2019	543
2020	557
2021	187
Thereafter	_
	\$ 2,629

Contingencies

In March 2013, the Company filed a lawsuit against Microscan Systems, Inc. ("Microscan") and Code Corporation ("Code") in the United States District Court for the Southern District of New York alleging that Microscan's Mobile Hawk handheld imager infringes U.S. Patent 7,874,487 owned by the Company (the "'487 patent"). The lawsuit sought to prohibit Code from manufacturing the product, and Microscan from selling and distributing the product.

In August 2014, Microscan filed a lawsuit against the Company in the United States District Court for the Southern District of New York alleging that the Company's DataMan ® 8500 handheld imager infringes U.S. Patent 6,352,204 owned by Microscan (the "'204 patent"). The lawsuit sought to prohibit the Company from manufacturing, selling, and distributing the DataMan ® 7500, 8500, 8600, and 9500 products.

In June 2015, the Company executed a settlement agreement with Microscan requiring a payment by the Company of \$3,500,000 which settles all outstanding litigation between the parties. The settlement included a patent license agreement valued at \$1,667,000 that allows the Company to continue producing current models of its handheld barcode readers, which was recorded as an asset and is being amortized to cost of revenue over the five year life of the patent. The remaining \$1,833,000 of the settlement was recorded as expense. All cases were dismissed by the end of July 2015. In July 2015, the Company also executed an immaterial settlement agreement with Code. This matter is now closed.

Various other claims and legal proceedings generally incidental to the normal course of business are pending or threatened on behalf of or against the Company. While we cannot predict the outcome of these matters, we believe that any liability arising from them will not have a material adverse effect on our financial position, liquidity, or results of operations.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

NOTE 11: Indemnification Provisions

Except as limited by Massachusetts law, the by-laws of the Company require it to indemnify certain current or former directors, officers, and employees of the Company against expenses incurred by them in connection with each proceeding in which he or she is involved as a result of serving or having served in certain capacities. Indemnification is not available with respect to a proceeding as to which it has been adjudicated that the person did not act in good faith in the reasonable belief that the action was in the best interests of the Company. The maximum potential amount of future payments the Company could be required to make under these provisions is unlimited. The Company has never incurred significant costs related to these indemnification provisions. As a result, the Company believes the estimated fair value of these provisions is not material.

In the ordinary course of business, the Company may accept standard limited indemnification provisions in connection with the sale of its products, whereby it indemnifies its customers for certain direct damages incurred in connection with third-party patent or other intellectual property infringement claims with respect to the use of the Company's products. The maximum potential amount of future payments the Company could be required to make under these provisions is generally subject to fixed monetary limits. The Company has never incurred significant costs to defend lawsuits or settle claims related to these indemnification provisions. As a result, the Company believes the estimated fair value of these provisions is not material.

In the ordinary course of business, the Company also accepts limited indemnification provisions from time to time, whereby it indemnifies customers for certain direct damages incurred in connection with bodily injury and property damage arising from the use of the Company's products. The maximum potential amount of future payments the Company could be required to make under these provisions is generally limited and is likely recoverable under the Company's insurance policies. As a result of this coverage, and the fact that the Company has never incurred significant costs to defend lawsuits or settle claims related to these indemnification provisions, the Company believes the estimated fair value of these provisions is not material.

Under the terms of the Company's sale of its Surface Inspection Systems Division (SISD) to AMETEK, Inc., the Company has agreed to retain certain liabilities in connection with its business dealings occurring prior to the transaction closing date of July 6, 2015, and to indemnify AMETEK, Inc. in connection with these retained liabilities and for any breach of the representations and warranties made by the Company to AMETEK, Inc. in connection with the sale agreement itself, as is usual and customary in such transactions. A binding arbitration was concluded in the second quarter of 2016 with respect to certain product performance claims made by an SISD customer, for which the Company remained responsible under the indemnity provisions of the sale transaction. In that proceeding, the tribunal ordered the Company to pay the customer approximately \$326,000, primarily representing a refund of the product purchase price. The tribunal also ordered the customer to pay the Company approximately \$45,000, primarily representing reimbursement of legal fees. The net settlement of \$281,000 was recorded in discontinued operations in the second quarter of 2016.

NOTE 12: Derivative Instruments

The Company's foreign currency risk management strategy is principally designed to mitigate the potential financial impact of changes in the value of transactions and balances denominated in foreign currencies resulting from changes in foreign currency exchange rates. Currently, the Company enters into two types of hedges to manage this risk. The first are economic hedges which utilize foreign currency forward contracts with maturities of up to 45 days to manage the exposure to fluctuations in foreign currency exchange rates arising primarily from foreign-denominated receivables and payables. The gains and losses on these derivatives are intended to be offset by the changes in the fair value of the assets and liabilities being hedged. These economic hedges are not designated as hedging instruments for hedge accounting treatment. The second are cash flow hedges which utilize foreign currency forward contracts with maturities of up to 18 months to hedge specific forecasted transactions of the Company's foreign subsidiaries with the goal of protecting our budgeted revenues and expenses against foreign currency exchange rate changes compared to our budgeted rates. These cash flow hedges are designated as hedging instruments for hedge accounting treatment.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

The Company had the following outstanding forward contracts (in thousands):

	Decemb	er 31, 2016	December 31, 2015		
Currency	Notional Value	USD Equivalent	Notional Value	USD Equivalent	
Derivatives Designated as Hedging Instruments:					
United States Dollar	_	\$	16,720	\$ 16,720	
Japanese Yen	342,500	2,960	942,500	7,605	
Hungarian Forint	39,000	130	547,000	1,893	
Singapore Dollar	150	97	2,063	1,425	
Canadian Dollar	_	_	41	37	
British Pound	_	_	25	34	
Derivatives Not Designated as Hedging Instruments:					
Japanese Yen	650,000	\$ 5,554	700,000	\$ 5,800	
British Pound	1,350	1,658	1,650	2,441	
Korean Won	1,750,000	1,450	1,400,000	1,187	
Hungarian Forint	425,000	1,448	250,000	857	
Singapore Dollar	1,350	929	1,525	1,074	
Taiwanese Dollar	26,000	802	26,425	800	

Information regarding the fair value of the outstanding forward contracts was as follows (in thousands):

	Asset Derivatives					Liability Derivatives				
	Balance		Fair '	Value		Balance	Fair Value			
	Sheet Location	December 31,	2016	December 3	1, 2015	Sheet Location	December 31, 201	16 December 31,		, 2015
Derivatives Design	ated as Hedging Insti	ruments:								
Cash flow hedge forward contracts	Prepaid expenses and other current assets	\$	43	\$	441	Accrued expenses	\$ -	_	\$	201
Derivatives Not De	signated as Hedging	Instruments:								
Economic hedge forward contracts	Prepaid expenses and other current assets	\$	1	\$	9	Accrued expenses	\$ 1	1	\$	43

The following table summarizes the gross activity for all derivative assets and liabilities which were presented on a net basis on the Consolidated Balance Sheets due to the right of offset with each counterparty (in thousands):

Asset Derivatives					Liability Derivatives				
	December 31, 2016 December 31, 20		nber 31, 2015		Decem	ber 31, 2016	December 31, 2015		
Gross amounts of recognized assets Gross amounts offset	\$	117 (73)	\$	479 (29)	Gross amounts of recognized liabilities Gross amounts offset	\$	11	\$	279 (35)
Net amount of assets presented	\$	44	\$	450	Net amount of liabilities presented	\$	11	\$	244

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Information regarding the effect of derivative instruments, net of the underlying exposure, on the consolidated financial statements was as follows (in thousands):

	Location in Financial Statements	2016			d December 31 , 2015		2014
Derivatives Designated as Hed			2010		2015		2014
Gains (losses) recorded in shareholders' equity (effective portion)	Accumulated other comprehensive income (loss), net of tax	\$	37	\$	206	\$	32
Gains (losses) reclassified from accumulated other comprehensive income (loss) into current operations (effective portion)	Revenue	\$	(438)	\$	(387)	\$	(14)
(circuit o politicity)	Research, development, and engineering expenses	•	13	•	14	•	(42)
	Selling, general, and administrative expenses		27		172		10
	Total gains (losses) reclassified from accumulated other comprehensive income (loss) into current operations	\$	(398)	\$	(201)	\$	(46)
Gains (losses) recognized in current operations (ineffective portion and discontinued derivatives)	Foreign currency gain (loss)	\$	_	\$	_	\$	_
Derivatives Not Designated as I	Hedging Instruments:						
Gains (losses) recognized in current operations	Foreign currency gain (loss)	\$	(515)	\$	(13)	\$	247
The following table summarizes thousands):	the changes in accumulated other co	omprehensi	ve income (loss	s), net of tax	, related to deri	vative ins	struments (in
Balance as of December 31, 20)14				\$		32
Net unrealized loss on cash fl	ow hedges						(27)
Reclassification of net realized	d loss on cash flow hedges into curre	ent operation	ns				201
Balance as of December 31, 20	015						206
Net unrealized loss on cash fl	ow hedges						(567)
Reclassification of net realized	d loss on cash flow hedges into curre	nt operation	ns				398
Balance as of December 31, 20	116				\$		37

Net gains expected to be reclassified from accumulated other comprehensive income (loss), net of tax, into current operations within the next twelve months are \$37,000 .

NOTE 13: Shareholders' Equity

Preferred Stock

The Company has 400,000 shares of authorized but unissued \$.01 par value preferred stock.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Common Stock

On April 28, 2016, the Company's shareholders approved an amendment to the Company's Articles of Organization to increase the authorized number of shares of common stock from 140.000.000 to 200.000.000.

Each outstanding share of common stock entitles the record holder to one vote on all matters submitted to a vote of the Company's shareholders. Common shareholders are also entitled to dividends when and if declared by the Company's Board of Directors.

Shareholder Rights Plan

The Company has adopted a Shareholder Rights Plan, the purpose of which is, among other things, to enhance the Board of Directors' ability to protect shareholder interests and to ensure that shareholders receive fair treatment in the event any coercive takeover attempt of the Company is made in the future. The Shareholder Rights Plan could make it more difficult for a third party to acquire, or could discourage a third party from acquiring, the Company or a large block of the Company's common stock. The following summary description of the Shareholder Rights Plan does not purport to be complete and is qualified in its entirety by reference to the Company's Shareholder Rights Plan, which has been previously filed by the Company with the Securities and Exchange Commission as an exhibit to a Registration Statement on Form 8-A filed on December 5, 2008.

In connection with the adoption of the Shareholder Rights Plan, the Board of Directors of the Company declared a dividend distribution of one purchase right (a "Right") for each outstanding share of common stock to shareholders of record as of the close of business on December 5, 2008. The Rights currently are not exercisable and are attached to and trade with the outstanding shares of common stock. Under the Shareholder Rights Plan, the Rights become exercisable if a person becomes an "acquiring person" by acquiring 15% or more of the outstanding shares of common stock or if a person commences a tender offer that would result in that person owning 15% or more of the common stock. If a person becomes an "acquiring person," each holder of a Right (other than the acquiring person) would be entitled to purchase, at the then-current exercise price of the Right. If the Company is acquired in a merger or other business combination transaction after any such event, each holder of a Right would then be entitled to purchase, at the then-current exercise price, shares of the acquiring company's common stock having a value of twice the exercise price of the Right.

Stock Repurchases

In August 2015, the Company's Board of Directors authorized the repurchase of \$100,000,000 of the Company's common stock. As of December 31, 2016, the Company repurchased 2,666,000 shares at a cost of \$100,000,000 under this program, including 355,000 shares at a cost of \$16,064,000 in 2016. Stock repurchases under this August 2015 program are now complete. In November 2015, the Company's Board of Directors authorized the repurchase of an additional \$100,000,000 of the Company's common stock. Purchases under this November 2015 program commenced in 2016 upon completion of the August 2015 program. As of December 31, 2016, the Company repurchased 539,000 shares at a cost of \$31,085,000 under this program, leaving a remaining authorized balance of \$68,915,000. Total stock repurchases in 2016 amounted to \$47,149,000. The Company may repurchase shares under this program in future periods depending on a variety of factors, including, among other things, the impact of dilution from employee stock options, stock price, share availability, and cash requirements.

Dividends

The Company's Board of Directors declared and paid cash dividends of \$0.07 per share in the second, third, and fourth quarters of 2015, as well as in the first quarter of 2016. The dividend was increased to \$0.075 in the second, third, and fourth quarters of 2016. Total cash dividends paid in 2016 amounted to \$25,213,000. The cash dividend in the second quarter of 2015 was the first dividend declared and paid since the fourth quarter of 2012 when the Company's Board of Directors accelerated dividends in advance of an increase in the federal tax on dividends paid after December 31, 2012. Due to these accelerated payments, no cash dividends were declared or paid in 2013, 2014, or the first quarter of 2015. Future dividends will be declared at the discretion of the Company's Board of Directors and will depend upon such factors as the Board deems relevant, including, among other things, the Company's ability to generate positive cash flow from operations.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

NOTE 14: Stock-Based Compensation

Stock Option Plans

The Company's share-based payments that result in compensation expense consist of stock option grants and restricted stock awards. As of December 31, 2016, the Company had 8,078,751 shares available for grant. Stock options are granted with an exercise price equal to the market value of the Company's common stock at the grant date and generally vest over four years based upon continuous service and expire ten years from the grant date. Conditions of restricted stock awards may be based upon continuing employment and/or achievement of pre-established performance goals and objectives. Vesting for performance-based restricted stock awards and time-based restricted stock awards must be greater than one year and three years, respectively.

The following table summarizes the Company's stock option activity:

	Shares (in thousands)	Weighted- Average Exercise Price	Weighted- Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value (in thousands)				
Outstanding as of December 31, 2015	6,644	\$ 28.27						
Granted	1,930	35.58						
Exercised	(1,977)	21.99						
Forfeited or expired	(164)	37.45						
Outstanding as of December 31, 2016	6,433	\$ 32.16	7.4	\$	202,368			
Exercisable as of December 31, 2016	2,037	\$ 22.21	5.3	\$	84,359			
Options vested or expected to vest as of December 31, 2016 (1)	5,837	\$ 31.52	7.2	\$	187,350			

⁽¹⁾ In addition to the vested options, the Company expects a portion of the unvested options to vest at some point in the future. Options expected to vest are calculated by applying an estimated forfeiture rate to the unvested options.

The fair values of stock options granted in each period presented were estimated using the following weighted-average assumptions:

	Year Ended December 31,						
	2016	2015	2014				
Risk-free rate	1.7%	2.1%	2.6%				
Expected dividend yield	0.83%	1.25%	—%				
Expected volatility	41%	40%	41%				
Expected term (in years)	5.6	5.4	5.4				

Risk-free rate

The risk-free rate was based upon a treasury instrument whose term was consistent with the contractual term of the option.

Expected dividend yield

Generally, the current dividend yield is calculated by annualizing the cash dividend declared by the Company's Board of Directors and dividing that result by the closing stock price on the grant date.

Expected volatility

The expected volatility was based upon a combination of historical volatility of the Company's common stock over the contractual term of the option and implied volatility for traded options of the Company's stock.

Expected term

The expected term was derived from the binomial lattice model from the impact of events that trigger exercises over time.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

The Company stratifies its employee population into two groups: one consisting of senior management and another consisting of all other employees. The Company currently expects that approximately 77% of its stock options granted to senior management and 72% of its options granted to all other employees will actually vest. Therefore, the Company currently applies an estimated forfeiture rate of 9% to all unvested options for senior management and a rate of 11% for all other employees. The Company revised its estimated forfeiture rates in the first quarter of 2016, 2015 and 2014, resulting in an increase to compensation expense of \$334,000, \$461,000, and \$288,000 in 2016, 2015, and 2014, respectively.

The weighted-average grant-date fair value of stock options granted was \$12.65 in 2016, \$14.35 in 2015, and \$15.97 in 2014.

The total intrinsic value of stock options exercised was \$55,580,000 in 2016, \$43,987,000 in 2015, and \$31,884,000 in 2014. The total fair value of stock options vested was \$18,114,000 in 2016, \$16,227,000 in 2015, and \$11,627,000 in 2014.

As of December 31, 2016, total unrecognized compensation expense related to non-vested stock options was \$19,742,000, which is expected to be recognized over a weighted-average period of 1.52 years.

The following table summarizes the Company's restricted stock activity:

	Shares (in thousands)	Weighted-Average Grant Fair Value	Aggregate Intrinsic Value (in thousands) (1)
Nonvested as of December 31, 2015	20	\$ 34.05	
Granted	_	_	
Vested	_	_	
Forfeited or expired	_	_	
Nonvested as of December 31, 2016	20	\$ 34.05	\$ 1,272

(1) Fair market value as of December 31, 2016.

The fair values of restricted stock awards granted were determined based upon the market value of the Company's common stock at the time of grant. The initial cost is then amortized over the period of vesting until the restrictions lapse. These restricted shares will be fully vested in 2018. Participants are entitled to dividends on restricted stock awards, but only receive those amounts if the shares vest. The sale or transfer of these shares is restricted during the vesting period.

The total stock-based compensation expense and the related income tax benefit recognized was \$20,558,000 and \$6,747,000, respectively, in 2016, \$21,274,000 and \$7,127,000, respectively, in 2015, and \$15,158,000 and \$4,977,000, respectively, in 2014. No compensation expense was capitalized in 2016, 2015, or 2014.

The following table presents the stock-based compensation expense by caption for each period presented on the Consolidated Statements of Operations (in thousands):

	Year Ended December 31,						
	 2016		2015		2014		
Cost of revenue	\$ 1,052	\$	1,515	\$	1,116		
Research, development, and engineering	6,271		5,194		3,709		
Selling, general, and administrative	13,235		13,032		9,234		
Discontinued operations	_		1,533		1,099		
	\$ 20,558	\$	21,274	\$	15,158		

Upon the sale of the Company's Surface Inspection Systems Division, completed on July 6, 2015, the Company accelerated the vesting of stock options with respect to 190,000 underlying shares, resulting in an additional \$1,106,000 of stock option expense recorded in the third quarter of 2015.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

NOTE 15: Employee Savings Plan

Under the Company's Employee Savings Plan, a defined contribution plan, U.S. employees who have attained age 21 may contribute up to 25% of their pay on a pre-tax basis subject to the annual dollar limitations established by the Internal Revenue Service. The Company currently matches 50% of the first 6% of pay an employee contributes. Company contributions vest 20%, 40%, 60%, and 100% after two, three, four, and five years of continuous employment with the Company, respectively. Company contributions totaled \$1,712,000 in 2016, \$1,845,000 in 2015, and \$1,555,000 in 2014. Cognex stock is not an investment alternative and Company contributions are not made in the form of Cognex stock.

NOTE 16: Taxes

Domestic income from continuing operations before taxes was \$23,939,000 in 2016, \$11,637,000 in 2015, and \$25,585,000 in 2014. Foreign income from continuing operations before taxes was \$144,856,000 in 2016, \$115,325,000 in 2015, and \$106,171,000 in 2014.

Income tax expense on continuing operations consisted of the following (in thousands):

Year Ended December 31,			
 2016	2015	2014	
\$ 14,459	\$ 16,430	\$ 18,852	
(617)	378	608	
8,149	4,946	4,854	
21,991	21,754	24,314	
(3,031)	(2,541)	(2,569)	
1,066	(165)	7	
(1,058)	250	(837)	
(3,023)	(2,456)	(3,399)	
\$ 18,968	\$ 19,298	\$ 20,915	
\$	\$ 14,459 (617) 8,149 21,991 (3,031) 1,066 (1,058) (3,023)	2016 2015 \$ 14,459 \$ 16,430 (617) 378 8,149 4,946 21,991 21,754 (3,031) (2,541) 1,066 (165) (1,058) 250 (3,023) (2,456)	

The Company records income tax expense on undistributed earnings that the Company does not intend to be indefinitely reinvested outside of the U.S. Substantially all of the Company's undistributed international earnings intended to be indefinitely reinvested outside of the U.S. were generated by subsidiaries organized in Ireland, which has a statutory tax rate of 12.5%. As of December 31, 2016, U.S. income tax expense had not been recorded on a cumulative total of \$498,238,000 of such earnings. The amount of unrecognized deferred tax liability related to these temporary differences is estimated to be \$151,966,000. As of December 31, 2016 and December 31, 2015, respectively, \$437,691,000 and \$352,621,000, of the Company's cash, cash equivalents and investments were held by foreign subsidiaries and are generally denominated in U.S. dollars. Amounts held by foreign subsidiaries are generally subject to U.S. income taxation on repatriation to the U.S.

A reconciliation of the U.S. federal statutory corporate tax rate to the Company's income tax expense on continuing operations, or effective tax rate, was as follows:

	Year Ended December 31,					
	2016	2015	2014			
Income tax provision at federal statutory corporate tax rate	35 %	35 %	35 %			
State income taxes, net of federal benefit	1	_	_			
Foreign tax rate differential	(17)	(19)	(19)			
Tax credit	(1)	-	-			
Discrete tax benefit related to employee stock option exercises	(7)	_	_			
Other discrete tax events	_	(2)	(1)			
Other	_	1	1			
Income tax provision on continuing operations	11 %	15 %	16 %			

The majority of income earned outside of the United States is permanently reinvested to provide funds for international expansion. The Company is tax resident in numerous jurisdictions around the world and has identified its major

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

jurisdictions as the United States, Ireland, and China. The statutory tax rate is 12.5% in Ireland and 25% in China. International rights to certain of the Company's intellectual property are held by a subsidiary whose legal jurisdiction does not tax this income, resulting in a foreign effective tax rate lower than the above mentioned statutory rates. These differences result in a decrease in the effective tax rate by 17, 19, and 19 percentage points in 2016, 2015, and 2014, respectively.

In 2016, the Company adopted Accounting Standards Update 2016-09, "Improvements to Employee Share-Based Payment Accounting," which was issued by the Financial Accounting Standards Board in March 2016. This Update requires excess tax benefits to be recognized as an income tax benefit in the income statement. Previous guidance required excess tax benefits to be recognized as additional paid-in-capital in shareholders' equity on the balance sheet. This provision is required to be applied prospectively and therefore, prior periods were not restated. As a result of this change, income tax expense was reduced by \$11,889,000, resulting in a seven percentage point decrease in the effective tax rate. Additionally, this Update also requires excess tax benefits to be classified along with other income tax cash flows as an operating activity in the statement of cash flows. In order to improve comparability, the Company applied this provision of the amendment retrospectively. In 2015 and 2014, the Company reclassified a tax benefit of \$9,964,000 and \$7,871,000, respectively, from cash flows provided by financing activities to cash flows provided by operating activities on the consolidated statement of cash flows.

Interest and penalties included in income tax expense was \$92,000 and \$34,000 in 2016 and 2015, respectively.

The changes in the reserve for income taxes, excluding gross interest and penalties, were as follows (in thousands):

Balance of reserve for income taxes as of December 31, 2014	\$ 5,127
Gross amounts of decreases in unrecognized tax benefits as a result of tax positions taken in prior periods	(56)
Gross amounts of increases in unrecognized tax benefits as a result of tax positions taken in the current period	1,291
Gross amounts of decreases in unrecognized tax benefits relating to settlements with taxing authorities	
Gross amounts of decreases in unrecognized tax benefits as a result of the expiration of the applicable statutes of limitations	(1,066)
Balance of reserve for income taxes as of December 31, 2015	5,296
Gross amounts of increases in unrecognized tax benefits as a result of tax positions taken in prior periods	11
Gross amounts of increases in unrecognized tax benefits as a result of tax positions taken in the current period	1,235
Gross amounts of decreases in unrecognized tax benefits relating to settlements with taxing authorities	_
Gross amounts of decreases in unrecognized tax benefits as a result of the expiration of the applicable statutes of limitations	(823)
Balance of reserve for income taxes as of December 31, 2016	\$ 5,719

The Company's reserve for income taxes, including gross interest and penalties, was \$6,389,000 as of December 31, 2016, which included \$5,361,000 classified as a non-current liability and \$1,028,000 recorded as a reduction to non-current deferred tax assets. The Company's reserve for income taxes, including gross interest and penalties, was \$5,858,000 as of December 31, 2015, which included \$4,830,000 classified as a non-current liability and \$1,028,000 recorded as a reduction to non-current deferred tax assets. The amount of gross interest and penalties included in these balances was \$670,000 and \$562,000 as of December 31, 2016 and December 31, 2015, respectively. If the Company's tax positions were sustained or the statutes of limitations related to certain positions expired, these reserves would be released and income tax expense would be reduced in a future period. As a result of the expiration of certain statutes of limitations, there is a potential that a portion of these reserves could be released, which would decrease income tax expense by approximately \$950,000 to \$1,050,000 over the next twelve months.

The Company has defined its major tax jurisdictions as the United States, Ireland, and China, and within the United States, Massachusetts and California. Within the United States, the tax years 2013 through 2016 remain open to examination by the Internal Revenue Service and various state taxing authorities. The tax years 2012 through 2016 remain open to examination by various taxing authorities in other jurisdictions in which the Company operates.

In 2011, the Company finalized an Advanced Pricing Agreement (APA) with Japan that will cover tax years 2006 through 2011, with a requested extension to 2012. The Company has concluded negotiations for an APA between Japan and Ireland that will cover tax years 2014 through 2018 with retroactive application to 2013. The Company believes it is adequately reserved for these open years.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Deferred tax assets and liabilities consisted of the following (in thousands):

	December 31,			
	2016	2015		
Non-current deferred tax assets:				
Stock-based compensation expense	\$ 15,365 \$	13,895		
Federal and state tax credit carryforwards	5,154	5,091		
Inventory and revenue related	2,919	2,985		
Depreciation	2,882	2,328		
Bonuses, commissions, and other compensation	2,483	2,500		
Other	3,714	4,175		
Gross non-current deferred tax assets	 32,517	30,974		
Non-current deferred tax liabilities:				
Nondeductible intangible assets	(379)	(1,198)		
Gross non-current deferred tax liabilities	(379)	(1,198)		
Valuation allowance	(4,116)	(3,259)		
Net non-current deferred tax assets	\$ 28,022 \$	26,517		
Non-current deferred tax liabilities:				
Other	\$ – \$	(319)		
Net non-current deferred tax liabilities	\$ _ \$	(319)		

In 2016, the Company adopted Accounting Standards Update 2015-17, "Income Taxes - Balance Sheet Classification of Deferred Taxes." This Update requires that deferred tax assets and liabilities be classified as non-current in a classified balance sheet. In order to improve comparability, the Company applied the amendments in this Update retrospectively to all periods presented. As of December 31, 2015, the Company reclassified current deferred income tax assets and liabilities of \$7,104,000 and \$319,000, respectively, to non-current on the Consolidated Balance Sheets.

The Company recorded certain intangible assets as a result of the acquisition of DVT Corporation in 2005. The amortization of these intangible assets is not deductible for U.S. tax purposes. A deferred tax liability was established to reflect the federal and state liability associated with not deducting the acquisition-related amortization expenses. The balance of this liability was \$379,000 as of December 31, 2016.

In 2016, the Company recorded a valuation allowance of \$857,000 for state research and development tax credits that were not considered to be realizable. Should these credits be utilized in a future period, the reserve associated with these credits would be reversed in the period when it is determined that the credits can be utilized to offset future state income tax liabilities. In addition, the Company had \$6,181,000 of state research and development tax credit carryforwards, net of federal tax, as of December 31, 2016, which will begin to expire in 2019.

While the deferred tax assets, net of valuation allowance, are not assured of realization, management has evaluated the realizability of these deferred tax assets and has determined that it is more likely than not that these assets will be realized. In reaching this conclusion, we have evaluated certain relevant criteria including the Company's historical profitability, current projections of future profitability, and the lives of tax credits, net operating losses, and other carryforwards. Should the Company fail to generate sufficient pre-tax profits in future periods, we may be required to establish valuation allowances against these deferred tax assets, resulting in a charge to current operations in the period of determination.

On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD). A pre-tax gain of \$125,357,000 and associated income tax expense of \$47,175,000 was recorded in 2015.

Cash paid for income taxes totaled \$20,748,000 in 2016, \$58,280,000 in 2015, and \$17,549,000 in 2014. The 2015 income tax payments included remittances related to the sale of SISD.

COGNEX CORPORATION - NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

NOTE 17: Weighted Average Shares

Weighted-average shares were calculated as follows (in thousands):

	Year Ended December 31,					
	2016 2015					
Basic weighted-average common shares outstanding	85,338	86,296	86,858			
Effect of dilutive stock options	1,734	1,695	2,213			
Diluted weighted-average common and common-equivalent shares outstanding	87,072	87,991	89,071			

Stock options to purchase 2,195,799, 3,035,078, and 1,286,403 shares of common stock, on a weighted-average basis, were outstanding in 2016, 2015, and 2014, respectively, but were not included in the calculation of dilutive net income per share because they were anti-dilutive.

NOTE 18: Segment and Geographic Information

On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD). Prior to this date, the Company had reported SISD as one of its two segments. Given the disposition of the SISD segment, management reviewed its segment reporting and concluded that the Company now operates in one segment, machine vision technology. Operating segments were not aggregated in reaching this conclusion. The Company's chief operating decision maker is the chief executive officer, who makes decisions to allocate resources and assesses performance at the corporate level. The Company offers a variety of machine vision products that have similar economic characteristics, have the same production processes, and are distributed by the same sales channels to the same types of customers.

The following table summarizes information about geographic areas (in thousands):

	Un	ited States	Europe	Greater China	Other	Total
Year Ended December 31, 2016						
Revenue	\$	136,611	\$ 231,731	\$ 63,471	\$ 88,940	\$ 520,753
Long-lived assets		40,404	12,981	994	1,932	\$ 56,311
Year Ended December 31, 2015						
Revenue	\$	119,781	\$ 199,127	\$ 54,137	\$ 77,512	\$ 450,557
Long-lived assets		40,742	12,498	873	1,781	\$ 55,894
Year Ended December 31, 2014						
Revenue	\$	120,523	\$ 195,214	\$ 38,184	\$ 72,528	\$ 426,449
Long-lived assets		33,750	10,941	858	1,919	\$ 47,468

Revenue is presented geographically based upon the customer's country of domicile. Revenue from a single customer accounted for 19%, 18%, and 16% of total revenue in 2016, 2015, and 2014, respectively.

NOTE 19: Discontinued Operations

On July 6, 2015, the Company completed the sale of its Surface Inspection Systems Division (SISD) to AMETEK, Inc. (AMETEK) for \$155,655,000 in cash. Transaction costs totaled \$5,198,000 and included \$1,106,000 of stock option expense from the accelerated vesting of stock options in connection with the sale.

The financial results of SISD are reported as a discontinued operation for all periods presented. In 2015, a pre-tax gain of \$125,357,000 and associated income tax expense of \$47,175,000 was recorded in "Net income (loss) from discontinued operations" on the Consolidated Statements of Operations. In 2016, a binding arbitration was concluded in the second quarter of 2016 with respect to certain product performance claims made by an SISD customer, for which the Company remained responsible under the indemnity provisions of the sale transaction. In that proceeding, the tribunal ordered the Company to pay the customer approximately \$326,000, primarily representing a refund of the product purchase price. The tribunal also ordered the customer to pay the Company approximately \$45,000, primarily representing reimbursement of legal fees. The net settlement of \$281,000 was recorded in discontinued operations in the second quarter of 2016, along with \$123,000 of legal fees. The tax benefit related to this expense was \$149,000, resulting in a net loss from discontinued operations of \$255,000.

The major classes of revenue and expense included in discontinued operations were as follows (in thousands):

	Year Ended December 31,					
	2016	2016 2015			2014	
Revenue	\$ -	_	\$ 23,248	\$	59,821	
Cost of revenue	•	_	(11,291)		(26,953)	
Research, development, and engineering expenses	-	_	(2,126)		(4,089)	
Selling, general, and administrative expenses	•	_	(7,800)		(12,968)	
Foreign currency loss	•	_	(177)		(170)	
Operating income from discontinued business	•	_	1,854		15,641	
Gain (loss) on sale of discontinued business	(40	4)	125,357		_	
Income from discontinued operations before income tax expense	(40	4)	127,211		15,641	
Income tax expense (benefit) on discontinued operations	(14	9)	47,801		4,997	
Net income (loss) from discontinued operations	\$ (25	5) 3	\$ 79,410	\$	10,644	

Significant non-cash items related to the discontinued business were as follows (in thousands):

	Year	Year Ended December 31,							
	2016		2015		2014				
Stock-based compensation expense	\$ _	\$	1,533	\$	1,099				
Depreciation expense	_		401		777				
Amortization expense	_		165		364				
Capital expenditures	_		482		631				

NOTE 20: Acquisitions

The Company completed four acquisitions during the year ended December 31, 2016 and one acquisition during the year ended December 31, 2015. All of these transactions have been accounted for as business combinations. Pro-forma information for these acquisitions has not been presented because they are not material, either individually or in the aggregate. Revenue and earnings since the dates of the acquisitions included in the Company's Consolidated Statements of Operations are also not presented because they are not material. Transaction costs were immaterial and were expensed as incurred during the year of the acquisition.

Webscan, Inc.

On December 9, 2016, the Company acquired selected assets and assumed selected liabilities of Webscan, Inc., a privately-held U.S.-based ID provider of barcode verifiers. The total purchase price of \$3,176,000 included \$3,000,000 in cash paid upon closing and \$176,000 in cash paid in January 2017 as a working capital adjustment. There are no contingent payments. In addition, the Company entered into special incentive payments tied to employment, none of which are material, that the Company will record as compensation expense.

Under this transaction, in addition to customer relationships and completed technologies, the Company acquired a team of individuals including software engineers that are expected to help the Company accelerate the development of future ID products. Assets acquired and liabilities assumed have been recorded at their estimated fair values as of the acquisition date.

The purchase price was allocated as follows (in thousands):

Accounts receivable	\$ 504
Inventories	296
Prepaid expenses and other current assets	8
Customer relationships	680
Completed technologies	840
Goodwill	925
Accounts payable	(77)
Purchase price	\$ 3,176

The customer relationships and completed technologies are included in "Intangible assets" on the Consolidated Balance Sheet. The customer relationships are being amort ized to selling, general, and administrative e xpenses on a straigh t-line basis over seven years, and the completed technologies are being amortized to cost of revenue on a straigh t-line basis over five years. A portion of t he acquired goodwill is deductible for tax purposes.

Chiaro Technologies LLC

On November 30, 2016, the Company acquired selected assets and assumed selected liabilities of Chiaro Technologies LLC, a privately-held U.S.-based 3D vision company. The total purchase price of \$4,149,000 included \$3,538,000 in cash and contingent consideration valued at \$611,000 . In addition, the Company entered into special incentive payments tied to employment, none of which are material, that the Company will record as compensation expense.

The undiscounted potential outcomes related to the contingent consideration range from \$0 to \$1,250,000 based upon certain milestone revenue levels over the next two years. As of December 31, 2016, the fair value of the contingent consideration was \$611,000 and was recorded in "Other non-current liabilities" on the Consolidated Balance Sheet. The contingent consideration will be remeasured each reporting period with changes in fair value recorded in "Other income (expense)" on the Consolidated Statements of Operations.

Under this transaction, in addition to completed technologies, the Company acquired a team of software engineers that are expected to help the Company accelerate the development of future 3D vision products. Assets acquired and liabilities assumed have been recorded at their estimated fair values as of the acquisition date.

The purchase price was allocated as follows (in thousands):

Purchase price	\$ 4,149
Accrued expenses	(115)
Goodwill	2,911
Completed technologies	1,350
Prepaid expenses and other current assets	\$ 3

The completed technologies are included in "Intangible assets" on the Consolidated Balance Sheet and are being amortized to cost of revenue on a straigh t-line basis over seven years. A portion of the acquired goodwill is deductible for tax purposes.

EnShape GmbH

On October 27, 2016, the Company acquired all of the outstanding shares of EnShape GmbH, a privately-held 3D sensor provider based in Germany. The total purchase price of €7,250,000 (\$7,901,000) included €4,950,000 (\$5,395,000) in cash paid upon closing, €1,050,000 (\$1,144,000) of deferred cash payments as a holdback for potential indemnification claims payable in 2018, and €1,250,000 (\$1,362,000) of contingent cash payments based upon the completion of certain tasks by June 30, 2017. In addition, the Company entered into special incentive payments tied to employment, none of which are material, that the Company will record as compensation expense.

The undiscounted potential outcomes related to the contingent consideration are ≤ 0 or $\le 1,250,000$ (\$1,362,000) based upon the completion of certain tasks by June 30, 2017. As of December 31, 2016, the fair value of the contingent consideration was $\le 1,250,000$ (\$1,362,000) due to the high probability and the short duration to payment, and was recorded in "Accrued expenses" on the Consolidated Balance Sheets. The contingent consideration will be remeasured each reporting period with changes in fair value recorded in "Other income (expense)" on the Consolidated Statements of Operations.

Under this transaction, in addition to customer relationships and completed technologies, the Company acquired a team of software engineers that are expected to help the Company accelerate the development of future 3D vision products. Assets acquired and liabilities assumed have been recorded at their estimated fair values as of the acquisition date.

The purchase price was allocated as follows (in thousands):

Cash	\$ 167
Accounts receivable	4
Inventories	79
Prepaid expenses and other current assets	15
Property, plant, and equipment	44
Customer relationships	447
Completed technologies	1,089
Goodwill	8,613
Accounts payable	(6)
Accrued expenses	(209)
Accrued income taxes	(2,342)
Purchase price	\$ 7,901

The customer relationships and completed technologies are included in "Intangible assets" on the Consolidated Balance Sheet. The customer relationships are being amort ized to selling, general, and administrative expenses, and the completed technologies are being amortized to cost of revenue, both on a straight-line basis over seven years. A portion of the acquired goodwill is deductible for tax purposes.

AQSense, S.L.

On August 30, 2016, the Company acquired selected assets and assumed selected liabilities of AQSense, S.L., a privately-held 3D vision software provider based in Spain. The total purchase price of €2,232,000 (\$2,519,000) was paid in cash and there are no contingent payments.

Under this transaction, in addition to customer relationships and completed technologies, the Company acquired a team of software engineers that are expected to help the Company accelerate the development of future 3D vision products. Assets acquired and liabilities assumed have been recorded at their estimated fair values as of the acquisition date.

The purchase price was allocated as follows (in thousands):

Accounts receivable	\$ 168
Customer relationships	598
Completed technologies	384
Goodwill	1,383
Accrued expenses	(14)
Purchase price	\$ 2,519

The customer relationships and completed technologies are included in "Intangible assets" on the Consolidated Balance Sheet. The customer relationships are being amort ized to selling, general, and administrative e xpenses, and the completed technologies are being amortized to cost of revenue, both on a straigh t-line basis over five years. A portion of t he acquired goodwill is deductible for tax purposes.

Manatee Works, Inc.

On August 21, 2015, the Company acquired selected assets of Manatee Works, Inc. (Manatee), a privately-held U.S.-based developer of barcode scanning software development kits (SDKs). The Company plans to leverage Manatee's current developer network and business model of attracting new developers to drive leads for its ID products. Under this transaction, the Company also acquired technology for use in mobile devices.

The total purchase price of \$4,813,000 included \$1,023,000 in cash paid upon closing and contingent consideration valued at \$3,790,000 on the acquisition date. The undiscounted potential outcomes related to future contingent consideration ranges from \$0 to approximately \$1,700,000 in 2017 and \$0 to approximately \$2,200,000 in 2018 based upon reaching certain milestone revenue levels.

The contingent consideration is remeasured each reporting period with changes in fair value recorded in "Other income (expense)" on the Consolidated Statements of Operations. In 2015, the Company recorded a \$790,000 benefit in other income which reduced the liability amount to \$3,000,000. In 2016, the Company paid \$337,000 and recorded a \$463,000 benefit in other income reducing the liability to \$2,200,000. As of December 31, 2016, the current portion of the contingent consideration expected to be paid within the next year was \$800,000, and was recorded in "Accrued expenses," and the non-current portion expected to be paid beyond one year was \$1,400,000, and was recorded in "Other non-current liabilities" on the Consolidated Balance Sheets.

The purchase price was allocated as follows (in thousands):

Prepaid expenses and other current assets	\$ 23
Customer relationships	140
Completed technologies	590
Goodwill	4,060
Purchase price	\$ 4,813

The customer relationships and completed technologies are included in "Intangible assets" on the Consolidated Balance Sheets. The customer relationships are being amortized to selling, general, and administrative expenses, and the completed technologies are being amortized to cost of revenue, both on a straight-line basis over five years. A portion of the acquired goodwill is deductible for tax purposes.

NOTE 21: Subsequent Events

On February 15, 2017, the Company's Board of Directors declared a cash dividend of \$0.075 per share. The dividend is payable March 17, 2017 to all shareholders of record as of the close of business on March 3, 2017.

COGNEX CORPORATION - SELECTED QUARTERLY FINANCIAL DATA (UNAUDITED)

		Quarter Ended						
	Α	pril 3, 2016	,	July 3, 2016	0	ctober 2, 2016	ı	December 31, 2016
			(In the	ousands, exce	ot per	share amounts	s)	
Revenue	\$	96,205	\$	147,274	\$	147,952	\$	129,322
Gross margin		75,237		112,061		115,203		102,662
Operating income		16,344		49,675		54,528		40,237
Net income from continuing operations	\$	14,885	\$	43,014	\$	53,675	\$	38,253
Net income (loss) from discontinued operations	Ψ.	- 1,000	Ψ	(255)	Ψ	_	Ψ	_
Net income	\$	14,885	\$	42,759	\$	53,675	\$	38,253
Basic net income per share from continuing operations	\$	0.18	\$	0.51	\$	0.63	\$	0.45
Basic net income (loss) per share from discontinued operations	Φ	U.16	Φ	(0.01)	φ	U.03 —	φ	U.45 —
Basic net income per share	\$	0.18	\$	0.50	\$	0.63	\$	0.45
Diluted net income per share from continuing operations	\$	0.17	\$	0.50	\$	0.61	\$	0.43
Diluted net income (loss) per share from discontinued operations		_		(0.01)		_		_
Diluted net income per share	\$	0.17	\$	0.49	\$	0.61	\$	0.43

		Quarter Ended						
		April 5, 2015		July 5, 2015	0	ctober 4, 2015		December 31, 2015
			(In the	ousands, exce	pt per	share amounts	s)	
Revenue	\$	101,373	\$	143,829	\$	107,587	\$	97,768
Gross margin		79,029		113,321		81,268		74,368
Operating income		22,110		51,778		28,485		19,148
Net income from continuing operations	\$	19,472	\$	43,516	\$	25,822	\$	18,854
Net income (loss) from discontinued operations		1,030		198		78,290		(108)
Net income	\$	20,502	\$	43,714	\$	104,112	\$	18,746
Basic net income per share from continuing operations	\$	0.22	\$	0.50	\$	0.30	\$	0.22
Basic net income (loss) per share from discontinued operations		0.02		_		0.91		_
Basic net income per share	\$	0.24	\$	0.50	\$	1.21	\$	0.22
	<u> </u>							
Diluted net income per share from continuing operations	\$	0.22	\$	0.49	\$	0.29	\$	0.22
Diluted net income (loss) per share from discontinued operations		0.01		_		0.90		_
Diluted net income per share	\$	0.23	\$	0.49	\$	1.19	\$	0.22

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Shareholders of Cognex Corporation:

We have audited in accordance with the standards of the Public Company Accounting Oversight Board (United States) the consolidated financial statements of Cognex Corporation and subsidiaries (the "Company") referred to in our report dated February 16, 2017, which is included in the 2016 Annual Report on Form 10-K of Cognex Corporation. Our audits of the basic consolidated financial statements included the financial statement schedule listed in the index appearing under Item 15(2) of this Form 10-K, which is the responsibility of the Company's management. In our opinion, this financial statement schedule, when considered in relation to the basic consolidated financial statements taken as a whole, presents fairly, in all material respects, the information set forth therein.

/s/ GRANT THORNTON LLP

Boston, Massachusetts February 16, 2017

COGNEX CORPORATION - SCHEDULE II - VALUATION AND QUALIFYING ACCOUNTS

			Add	ditior	ıs					
Description		Balance at Beginning of Period	Charged to Costs and Expenses		Charged to Other Accounts	- 	Deductions	Other	I	Balance at End of Period
					(lı	n thoi	usands)			
Reserve for Uncollectible Account Receivable:	unts									
	2016	\$ 736	\$ 216	\$	_	\$	(64) (a)	\$ (15) (b)	\$	873
	2015	\$ 820	\$ _	\$	_	\$	(44) (a)	\$ (40) (b)	\$	736
	2014	\$ 909	\$ _	\$	_	\$	(32) (a)	\$ (57) (b)	\$	820
Reserve for Excess and Obsolete Inventory:										
	2016	\$ 3,803	\$ 3,641	\$	_	\$	(4,075) (a)	\$ (52) (c)	\$	3,317
	2015	\$ 5,058	\$ 1,562	\$	_	\$	(2,443) (a)	\$ (374) (c)	\$	3,803
	2014	\$ 4,301	\$ 3,204	\$	_	\$	(1,978) (a)	\$ (469) (c)	\$	5,058
Deferred Tax Valuation Allowar	nce:									
	2016	\$ 3,259	\$ 857	\$	_	\$	_	\$ _	\$	4,116
	2015	\$ 2,483	\$ 817	\$	_	\$	_	\$ (41)	\$	3,259
	2014	\$ 1,758	\$ 725	\$	_	\$	_	\$ 	\$	2,483

⁽a)

Specific write-offs
Collections of previously written-off accounts and foreign currency exchange rate changes
Foreign currency exchange rate changes (b)

⁽c)

ITEM 9: CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

There were no disagreements with accountants on accounting or financial disclosure during 2016 or 2015.

ITEM 9A: CONTROLS AND PROCEDURES

Disclosure Controls and Procedures

As required by Rules 13a-15 and 15d-15 of the Securities Exchange Act of 1934, the Company has evaluated, with the participation of management, including the Chief Executive Officer and the Chief Financial Officer, the effectiveness of its disclosure controls and procedures (as defined in such rules) as of the end of the period covered by this report. Based on such evaluation, the Chief Executive Officer and Chief Financial Officer concluded that such disclosure controls and procedures were effective as of that date.

Management's Report on Internal Control over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting. Management has evaluated the effectiveness of the Company's internal control over financial reporting based upon the framework in Internal Control – Integrated Framework issued in 2013 by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

Based upon our evaluation, management has concluded that the Company's internal control over financial reporting was effective as of December 31, 2016.

Attestation Report of the Registered Public Accounting Firm on Internal Control over Financial Reporting

The Company's internal control over financial reporting as of December 31, 2016 has been audited by Grant Thornton LLP, an independent registered public accounting firm, as stated in their report which is included herein.

Changes in Internal Control over Financial Reporting

There have been no changes in the Company's internal control over financial reporting that occurred during the fourth quarter of the year ended December 31, 2016 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting. The Company continues to review its disclosure controls and procedures, including its internal control over financial reporting, and may from time to time make changes aimed at enhancing their effectiveness and to ensure that the Company's systems evolve with its business.

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Shareholders of Cognex Corporation:

We have audited the internal control over financial reporting of Cognex Corporation (a Massachusetts corporation) and subsidiaries (the "Company") as of December 31, 2016, based on criteria established in the 2013 Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying management's report on internal control over financial reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit.

We conducted our audit 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 effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

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

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

In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2016, based on criteria established in the 2013 *Internal Control—Integrated Framework* issued by COSO.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated financial statements of the Company as of and for the year ended December 31, 2016, and our report dated February 16, 2017 expressed an unqualified opinion on those financial statements.

/s/ GRANT THORNTON LLP

Boston, Massachusetts February 16, 2017

ITEM 9B: OTHER INFORMATION

None

PART III

ITEM 10: DIRECTORS, EXECUTIVE OFFICERS, AND CORPORATE GOVERNANCE

Information with respect to Directors and Executive Officers of the Company and the other matters required by Item 10 shall be included in the Company's definitive Proxy Statement for the Annual Meeting of Shareholders to be held on April 27, 2017 and is incorporated herein by reference. In addition, certain information with respect to Executive Officers of the Company may be found in the section captioned "Executive Officers of the Registrant," appearing in Part I – Item 4A of this Annual Report on Form 10-K.

The Company has adopted a Code of Business Conduct and Ethics covering all employees, which is available, free of charge, on the Company's website, www.cognex.com under "Company-Investor Information-Governance". The Company intends to disclose on its website any amendments to or waivers of the Code of Business Conduct and Ethics on behalf of the Company's directors and executive officers that would otherwise be required to be disclosed under the rules of the SEC or The NASDAQ Stock Market LLC.

ITEM 11: EXECUTIVE COMPENSATION

Information with respect to executive compensation and the other matters required by Item 11 shall be included in the Company's definitive Proxy Statement for the Annual Meeting of Shareholders to be held on April 27, 2017 and is incorporated herein by reference.

ITEM 12: SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

Information with respect to security ownership and the other matters required by Item 12 shall be included in the Company's definitive Proxy Statement for the Annual Meeting of Shareholders to be held on April 27, 2017 and is incorporated herein by reference.

The following table provides information as of December 31, 2016 regarding shares of common stock that may be issued under the Company's existing equity compensation plans:

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants, and rights		Weighted-average exercise price of outstanding options, warrants, and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
	(a)			
Equity compensation plans approved by shareholders	5,973,304	(1)	\$ 33.5945	8,078,751 (2)
Equity compensation plans not approved by shareholders	478,977	(3)	14.3333	_
	6,452,281		\$ 32.1646	8,078,751

- (1) Includes shares to be issued upon exercise of outstanding options under the Company's 1998 Stock Incentive Plan, 2007 Stock Option and Incentive Plan, and subsequent to shareholder approval, the 2001 General Stock Option Plan, as amended and restated.
- (2) Includes shares remaining available for future issuance under the Company's 2007 Stock Option and Incentive Plan and 2001 General Stock Option Plan, as amended and restated.
- (3) Includes shares to be issued upon the exercise of outstanding options granted prior to shareholder approval under the 2001 General Stock Option Plan, as amended and restated.

The 2001 General Stock Option Plan was originally adopted by the Board of Directors in December 2001 without shareholder approval. In December 2011, this plan received shareholder approval for an amendment and restatement of the plan, extending the plan until September 2021. This plan provides for the granting of nonqualified stock options and incentive stock options to any employee who is actively employed by the Company and is not an officer or director of the Company. The maximum number of shares of common stock available for grant under this plan is 14,220,000 shares. All option grants must have an exercise price per share that is no less than the fair market value per share of the Company's common stock on the grant date and must have a term that is no longer than ten years from the grant date. 10,576,270 stock options have been granted under the 2001 General Stock Option Plan.

ITEM 13: CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

Information with respect to certain relationships and related transactions and the other matters required by Item 13 shall be included in the Company's definitive Proxy Statement for the Annual Meeting of Shareholders to be held on April 27, 2017 and is incorporated herein by reference.

ITEM 14: PRINCIPAL ACCOUNTING FEES AND SERVICES

Information with respect to principal accounting fees and services and the other matters required by Item 14 shall be included in the Company's definitive Proxy Statement for the Annual Meeting of Shareholders to be held on April 27, 2017 and is incorporated herein by reference.

PART IV

ITEM 15: EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

(1) Financial Statements

The financial statements are included in Part II – Item 8 of this Annual Report on Form 10-K.

(2) Financial Statement Schedule

Financial Statement Schedule II is included in Part II - Item 8 of this Annual Report on Form 10-K.

Other schedules are omitted because of the absence of conditions under which they are required or because the required information is provided in the consolidated financial statements or notes thereto.

(3) Exhibits

The Exhibits filed as part of this Annual Report on Form 10-K are listed in the Exhibit Index, immediately preceding such Exhibits.

SIGNATURES

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

COGNEX CORPORATION

By: /s/ Robert J. Willett

Robert J. Willett

President and Chief Executive Officer

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

Robert J. Shillman Chairman of the Board of Directors and Chief Culture Officer February 16, 2017 Robert J. Willett President, Chief Executive Officer, and Director (principal executive officer) February 16, 2017 Robert J. Willett President, Chief Executive Officer, and Director (principal executive officer) February 16, 2017 Richard A. Morin Executive Vice President of Finance and Administration and Chief Financial Officer (principal financial and accounting officer) Si Patrick Alias Director Pebruary 16, 2017 Si Eugene Banucci Director February 16, 2017 Si Eugene Banucci Director Director February 16, 2017 Si Eugene Banucci Director D	Signature	<u>Title</u>	<u>Date</u>
Robert J. Willett President, Chief Executive Officer, and Director (principal executive officer) February 16, 2017 Robert J. Willett President, Chief Executive Officer, and Director (principal executive officer) S		Chairman of the Board of Directors and Chief Culture Officer	February 16, 2017
Robert J. Willett /s/ Richard A. Morin Executive Vice President of Finance and Administration and Chief Financial Officer (principal financial and accounting officer) /s/ Patrick Alias Patrick Alias /s/ Eugene Banucci Director Officer February 16, 2017 February 16, 2017 February 16, 2017 February 16, 2017	Robert J. Shillman		
S Richard A. Morin Executive Vice President of Finance and Administration and Chief Financial Officer (principal financial and accounting officer) S Patrick Alias Director S Eugene Banucci Eugene Banucci Director S Eugene Banucci Director Director S Eugene Banucci Director Director S Eugene Banucci Director Director Director S Eugene Banucci Director Direc	/s/ Robert J. Willett		February 16, 2017
Financial Officer (principal financial and accounting officer) /s/ Patrick Alias Patrick Alias /s/ Eugene Banucci Director Director February 16, 2017 February 16, 2017	Robert J. Willett	officer)	
Richard A. Morin (principal financial and accounting officer) /s/ Patrick Alias Patrick Alias /s/ Eugene Banucci Director Director February 16, 2017 February 16, 2017	/s/ Richard A. Morin		February 16, 2017
Patrick Alias /s/ Eugene Banucci Eugene Banucci Director February 16, 2017	Richard A. Morin		
Patrick Alias /s/ Eugene Banucci Eugene Banucci Director February 16, 2017	/s/ Patrick Alias	Director	February 16, 2017
Eugene Banucci Director	Patrick Alias	Director	
Eugene Banucci	/s/ Eugene Banucci	Director	February 16, 2017
/s/ Theodor Krantz February 16, 2017	Eugene Banucci	Director	
Director Director	/s/ Theodor Krantz	Director	February 16, 2017
Theodor Krantz	Theodor Krantz	Billiotot	
/s/ Jeffrey Miller February 16, 2017	/s/ Jeffrey Miller	Director	February 16, 2017
Jeffrey Miller	Jeffrey Miller	2.1000	
/s/ J. Bruce Robinson Pirector February 16, 2017	/s/ J. Bruce Robinson	Director	February 16, 2017
J. Bruce Robinson	J. Bruce Robinson	Ziiotoi	
/s/ Jerry Schneider Pirector February 16, 2017	/s/ Jerry Schneider	Director	February 16, 2017
Jerry Schneider	Jerry Schneider	Billiotot	
/s/ Anthony Sun Pirector February 16, 2017	/s/ Anthony Sun	Director	February 16, 2017
Anthony Sun	Anthony Sun	Director	
77		77	

EXHIBIT INDEX

XHIBIT NUMBER	
3A	Restated Articles of Organization of Cognex Corporation effective June 27, 1989, as amended through May 5, 2016, (incorporated by reference to Exhibit 3.1 of Cognex's Quarterly Report on Form 10-Q for the quarter ended July 3, 2016 [File No. 1-34218])
3B	Articles of Amendment to the Articles of Organization of Cognex Corporation establishing Series E Junior Participating Preferred Stock (incorporated by reference to Exhibit 3.2 to Cognex's Quarterly Report on Form 10-Q for the quarter ended July 3, 2016 [File No. 1-34218])
3C	By-laws of Cognex Corporation, as amended and restated through December 5, 2013 (incorporated by reference to Exhibit 3.3 of Cognex's Quarterly Report on Form 10-Q for the quarter-ended July 3, 2016 [File No. 1-34218])
3D	Amendment to Amended and Restated By-laws of Cognex Corporation, effective May 5, 2016 (incorporated by reference to Exhibit 3.4 of Cognex's Quarterly Report on Form 10-Q for the quarter ended July 3, 2016 [File No. 1-34218])
4A	Specimen Certificate for Shares of Common Stock (incorporated by reference to Exhibit 4 to the Registration Statement on Form S-1 [Registration No. 33-29020])
4B	Shareholder Rights Agreement, dated December 4, 2008, between Cognex Corporation and National City Bank (incorporated by reference to Exhibit 4.1 to Cognex's Registration Statement on Form 8-A filed on December 5, 2008 [File No. 1-34218])
10A *	Cognex Corporation 1998 Non-Employee Director Stock Option Plan (incorporated by reference to Exhibit 4.1 to the Registration Statement on Form S-8 [Registration No. 333-60807])
10B *	Amendment to Cognex Corporation 1998 Non-Employee Director Stock Option Plan, effective as of July 26, 2007 (incorporated by reference to Exhibit 10C of Cognex's Annual Report on Form 10-K for the year ended December 31, 2012 [File No. 1-34218])
10C *	Cognex Corporation 1998 Stock Incentive Plan (incorporated by reference to Exhibit 4.2 to the Registration Statement on Form S-8 [Registration No. 333-60807])
10D *	First Amendment to the Cognex Corporation 1998 Stock Incentive Plan (incorporated by reference to Exhibit 4.3 to the Registration Statement on Form S-8 [Registration No. 333-60807])
10E *	Second Amendment to the Cognex Corporation 1998 Stock Incentive Plan (incorporated by reference to Exhibit 10F of Cognex's Annual Report on Form 10-K for the year ended December 31, 2011 [File No. 1-34218])
10F *	Amendment to Cognex Corporation 1998 Stock Incentive Plan, effective as of July 26, 2007 (incorporated by reference to Exhibit 10G of Cognex's Annual Report on Form 10-K for the year ended December 31, 2012 [File No. 1-34218])
10G *	Cognex Corporation 2001 General Stock Option Plan, as amended and restated (incorporated by reference to Exhibit 10H of Cognex's Annual Report on Form 10-K for the year ended December 31, 2014 [File No. 1-34218])
10H *	Cognex Corporation 2007 Stock Option and Incentive Plan, as amended and restated (incorporated by reference to Exhibit 10.1 of Cognex's Quarterly Report on Form 10-Q for the quarter ended July 5, 2015 [File No. 1-34218])
101 *	Form of Letter Agreement between Cognex Corporation and each of Robert J. Shillman, Patrick A. Alias and Anthony Sun (incorporated by reference to Exhibit 10K of Cognex's Annual Report on Form 10-K for the year ended December 31, 2012 [File No. 1-34218])
10J *	Form of Stock Option Agreement (Non-Qualified) under 1998 Stock Incentive Plan (incorporated by reference to Exhibit 10l of Cognex's Annual Report on Form 10-K for the year ended December 31, 2012 [File No. 1-34218])
10K *	Form of Indemnification Agreement with each of the Directors of Cognex Corporation (incorporated by reference to Exhibit 10R of Cognex's Annual Report on Form 10-K for the year ended December 31, 2013 [File No. 1-34218])
10L *	Employment Agreement, dated June 17, 2008, by and between Cognex Corporation and Robert Willett (incorporated by reference to Exhibit 10S of Cognex's Annual Report on Form 10-K for the year ended December 31, 2013 [File No. 1-34218])
10M *	Amendment to Employment Agreement with Robert Willett, dated November 14, 2008 (incorporated by reference to Exhibit 10T of Cognex's Annual Report on Form 10-K for the year ended December 31, 2013 [File No. 1-34218])

Table of Contents

10N *	Form of Stock Option Agreement (Non-Qualified) under 2007 Stock Option and Incentive Plan (incorporated by reference to Exhibit 10U of Cognex's Annual Report on Form 10-K for the year ended December 31, 2013 [File No. 1-34218])
100 *	Letter from the Company to Richard A. Morin regarding Stock Option Agreements (incorporated by reference to Exhibit 10V of Cognex's Annual Report on Form 10-K for the year ended December 31, 2013 [File No. 1-34218])
10P *	Stock Option Agreements with Robert Willett dated November 3, 2014 (incorporated by reference to Exhibit 10S of Cognex's Annual Report on Form 10-K for the year ended December 31, 2014 [File No. 1-34218])
14	Code of Business Conduct and Ethics as amended March 12, 2004 (incorporated by reference to Exhibit 14 of Cognex's Annual Report on Form 10-K for the year ended December 31, 2009 [File No. 001-34218])
21	Subsidiaries of the registrant (filed herewith)
23.1	Consent of Grant Thornton LLP (filed herewith)
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31.1	Certification of Chief Executive Officer (filed herewith)
31.1 31.2	
	Certification of Chief Executive Officer (filed herewith)
31.2	Certification of Chief Executive Officer (filed herewith) Certification of Chief Financial Officer (filed herewith)
31.2 32.1	Certification of Chief Executive Officer (filed herewith) Certification of Chief Financial Officer (filed herewith) Certification pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (CEO) (furnished herewith)

The following materials from Cognex Corporation's Annual Report on Form 10-K for the period ended December 31, 2016, formatted in xBRL: (i) Consolidated Statements of Operations for the years ended December 31, 2016, December 31, 2015, and December 31, 2014; (ii) Consolidated Statements of Comprehensive Income for the years ended December 31, 2016, December 31, 2015, and December 31, 2014; (iii) Consolidated Balance Sheets as of December 31, 2016 and December 31, 2015; (iv) Consolidated Statements of Cash Flows for the years ended December 31, 2016, December 31, 2015, and December 31, 2014; (v) Consolidated Statements of Shareholders' Equity for the years ended December 31, 2016, December 31, 2016, December 31, 2015, and December 31, 2014; and (vi) Notes to Consolidated Financial Statements.

^{*} Indicates management contract or compensatory plan or arrangement

COGNEX CORPORATION SUBSIDIARIES OF THE REGISTRANT

As of December 31, 2016, the registrant had the following subsidiaries, the financial statements of which are all included in the consolidated financial statements of the registrant:

NAME OF SUBSIDIARY	STATE/COUNTRY OF INCORPORATION	PERCENT OWNERSHIP
Cognex Asia, Inc. (formerly Cognex China, Inc.)	Delaware	100%
Cognex Canada, Inc.	Delaware	100%
Cognex Canada Technology, Inc.	California	100%
Cognex Europe, B.V.	Netherlands	100%
Cognex Europe, Inc.	Delaware	100%
Cognex Foreign Sales Corporation	Barbados	100%
Cognex Germany, Inc.	Massachusetts	100%
Cognex Germany Aachen GmbH	Germany	100%
Cognex Goruntu Sistemleri Satis ve Ticaret Limited Sirketi	Turkey	100%
Cognex Hungary Kft.	Hungary	100%
Cognex International, Inc.	Delaware	100%
Cognex Ireland Ltd.	Ireland	100%
Cognex K.K.	Japan	100%
Cognex Korea, Inc.	Delaware	100%
Cognex, Ltd.	Ireland	100%
Cognex Representacao Comercial E Participacoes Ltda.	Brazil	100%
Cognex Sensors India Private Limited	India	100%
Cognex Service, Inc	Delaware	100%
Cognex Service Ltd.	Ireland	100%
Cognex Singapore, Inc.	Delaware	100%
Cognex Switzerland GmbH	Switzerland	100%
Cognex Taiwan, Inc.	Delaware	100%
Cognex Technology and Investment LLC	California	100%
Cognex UK Ltd.	United Kingdom	100%
Cognex Vision Inspection System (Shanghai) Co., Ltd.	China	100%
Cognex Vision Spain, S.L.U.	Spain	100%
EnShape GmbH	Germany	100%
Vision Drive, Inc.	Delaware	100%
One Vision Drive LLC (formerly Vision Drive Retail LLC)	Massachusetts	100%

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We have issued our reports dated February 16, 2017, with respect to the consolidated financial statements, schedule, and internal control over financial reporting included in the Annual Report of Cognex Corporation on Form 10-K for the year ended December 31, 2016. We hereby consent to the incorporation by reference of said reports in the Registration Statements of Cognex Corporation on Forms S-8 (File Nos. 333-02151; 333-60807; 333-96961; 333-100709; 333-126787; 333-150315 and 333-206081).

/s/ GRANT THORNTON LLP

Boston, Massachusetts February 16, 2017

CERTIFICATION

I, Robert J. Willett, certify that:

- 1 I have reviewed this Annual Report on Form 10-K of Cognex Corporation;
- Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report:
- 3 Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation: and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 16, 2017 By: /s/ Robert J. Willett

Robert J. Willett

President and Chief Executive Officer

CERTIFICATION

I, Richard A. Morin, certify that:

- 1 I have reviewed this Annual Report on Form 10-K of Cognex Corporation;
- 2 Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 16, 2017 By: /s/ Richard A. Morin

Richard A. Morin

Executive Vice President of Finance and Administration and Chief Financial Officer

CERTIFICATION PURSUANT TO 18 U.S.C. 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

The undersigned officer of Cognex Corporation (the "Company") hereby certifies to his knowledge that the Company's Annual Report on Form 10-K for the year ended December 31, 2016 (the "Report"), as filed with the Securities and Exchange Commission on the date hereof, fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, as amended, and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: February 16, 2017 By: /s/ Robert J. Willett

Robert J. Willett

President and Chief Executive Officer (principal

executive officer)

* This certification shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liability of that section, nor shall it be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Securities Exchange Act of 1934.

CERTIFICATION PURSUANT TO 18 U.S.C. 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

The undersigned officer of Cognex Corporation (the "Company") hereby certifies to his knowledge that the Company's Annual Report on Form 10-K for the year ended December 31, 2016 (the "Report"), as filed with the Securities and Exchange Commission on the date hereof, fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, as amended, and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: February 16, 2017 By: /s/ Richard A. Morin

Richard A. Morin

Executive Vice President of Finance and Administration

and Chief Financial Officer (principal financial officer)

* This certification shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liability of that section, nor shall it be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Securities Exchange Act of 1934.