MTS SYSTEMS CORP

Form 10-Q May 07, 2018

**UNITED STATES** 

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q

(Mark One)

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

For the quarterly period ended March 31, 2018

or

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

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

Commission File Number: 000-02382

#### MTS SYSTEMS CORPORATION

(Exact name of Registrant as specified in its charter) Minnesota 41-0908057

(State or other jurisdiction

of incorporation or organization)

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

14000 Technology Drive

Eden Prairie, Minnesota

55344

(Address of principal executive offices) (Zip Code)

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

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

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

Large accelerated filer Accelerated filer

Non-accelerated filer Smaller reporting company

(Do not check if smaller reporting company)

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes No

As of May 3, 2018, there were 17,828,976 shares of Common Stock outstanding.

MTS Systems Corporation Quarterly Report on Form 10-Q For the Three Months Ended March 31, 2018

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# PART I – FINANCIAL INFORMATION

Item 1. Financial Statements

# MTS SYSTEMS CORPORATION

Consolidated Balance Sheets (in thousands, except per share data)

| (iii thousands, except per share data)   |                                  |                                 |
|--|----------------------------------|---------------------------------|
|  | March 31,<br>2018<br>(Unaudited) | September 30,<br>2017<br>(Note) |
| Assets   |                                  |                                 |
| Current assets   |                                  |                                 |
| Cash and cash equivalents  | \$84,378                         | \$ 108,733                      |
| Accounts receivable, net of allowance for doubtful accounts of \$5,775 and \$5,371, respectively | 118,593                          | 123,994                         |
| Unbilled accounts receivable, net  | 60,729                           | 76,914                          |
| Inventories, net   | 143,487                          | 127,728                         |
| Prepaid expenses and other current assets  | 25,227                           | 19,880                          |
| Total current assets   | 432,414                          | 457,249                         |
| Property and equipment, net  | 95,573                           | 99,930                          |
| Goodwill   | 370,513                          | 369,762                         |
| Intangible assets, net   | 250,470                          | 255,079                         |
| Other long-term assets   | 3,211                            | 4,116                           |
| Deferred income taxes  | 3,740                            | 3,556                           |
| Total assets   | \$1,155,921                      | ·                               |
| Liabilities and Shareholders' Equity   |                                  |                                 |
| Current liabilities  |                                  |                                 |
| Current maturities of long-term debt, net  | \$53,210                         | \$39,095                        |
| Accounts payable   | 47,394                           | 47,515                          |
| Accrued payroll and related costs  | 38,164                           | 49,434                          |
| Advance payments from customers  | 83,039                           | 76,712                          |
| Accrued warranty costs   | 6,191                            | 6,018                           |
| Accrued income taxes   | 3,317                            | 4,464                           |
| Accrued dividends  | 5,291                            | 5,278                           |
| Other accrued liabilities  | 20,459                           | 18,873                          |
| Total current liabilities  | 257,065                          | 247,389                         |
| Long-term debt, less current maturities, net   | 356,523                          | 418,544                         |
| Deferred income taxes  | 44,373                           | 74,981                          |
| Non-current accrued income taxes   | 10,729                           | 5,855                           |
| Defined benefit pension plan obligation  | 9,287                            | 8,588                           |
| Other long-term liabilities  | 5,714                            | 5,558                           |
| Total liabilities  | 683,691                          | 760,915                         |
| Shareholders' Equity   |                                  |                                 |
| Common stock, \$0.25 par value; 64,000 shares authorized: 17,792 and 17,760 shares               |                                  |                                 |
| issued   | 4,448                            | 4,440                           |
| and outstanding as of March 31, 2018 and September 30, 2017, respectively                        |                                  |                                 |
| Additional paid-in capital   | 166,757                          | 163,632                         |
| Retained earnings  | 292,200                          | 261,258                         |
|  |                                  |                                 |

Accumulated other comprehensive income (loss)

Total shareholders' equity

472,230 428,777

Total liabilities and shareholders' equity

\$1,155,921 \$1,189,692

Note: The Consolidated Balance Sheet as of September 30, 2017 has been derived from the audited consolidated financial statements at that date.

The accompanying Notes to Consolidated Financial Statements (Unaudited) are an integral part of these consolidated financial statements.

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## MTS SYSTEMS CORPORATION

Consolidated Statements of Income (Unaudited) (in thousands, except per share data)

|  | Three Months Ended March 31, April 1, 2018 2017 |           | Six Months<br>March 31,<br>2018 |           |
|--|---|-----------|---------------------------------|-----------|
| Revenue                                    |   |           |                                 |           |
| Product                                    | \$165,453                                       | \$170,800 | \$334,694                       | \$347,395 |
| Service                                    | 25,870  | 22,624    | 50,791                          | 45,308    |
| Total revenue                              | 191,323   | 193,424   | 385,485                         | 392,703   |
| Cost of Sales                              |   |           |                                 |           |
| Product                                    | 101,133   | 101,605   | 201,627                         | 214,383   |
| Service                                    | 15,365  | 12,963    | 31,105                          | 26,000    |
| Total cost of sales                        | 116,498   | 114,568   | 232,732                         | 240,383   |
| Gross profit                               | 74,825  | 78,856    | 152,753                         | 152,320   |
| Operating expenses                         |   |           |                                 |           |
| Selling and marketing                      | 30,597  | 30,627    | 62,625                          | 61,097    |
| General and administrative                 | 18,992  | 23,556    | 39,554                          | 47,579    |
| Research and development                   | 8,626   | 9,261     | 17,467                          | 17,942    |
| Total operating expenses                   | 58,215  | 63,444    | 119,646                         | 126,618   |
| Income from operations                     | 16,610  | 15,412    | 33,107                          | 25,702    |
| Interest expense, net                      | (6,708)   | (7,418)   | (13,512)                        | (14,698   |
| Other income (expense), net                | 274   | 666       | 51                              | (163      |
| Income before income taxes                 | 10,176  | 8,660     | 19,646                          | 10,841    |
| Income tax provision (benefit)             | 1,738   | 1,461     | (21,943)                        | 1,937     |
| Net income                                 | \$8,438   | \$7,199   | \$41,589                        | \$8,904   |
| Earnings per share                         |   |           |                                 |           |
| Basic                                      |   |           |                                 |           |
| Earnings per share                         | \$0.44  | \$0.38    | \$2.17                          | \$0.47    |
| Weighted average common shares outstanding | 19,150  | 19,016    | 19,137                          | 18,992    |
| Diluted                                    |   |           |                                 |           |
| Earnings per share                         | \$0.44  | \$0.38    | \$2.16                          | \$0.47    |
| Weighted average common shares outstanding | 19,273  | 19,109    | 19,258                          | 19,095    |
| Dividends declared per share               | \$0.30  | \$0.30    | \$0.60                          | \$0.60    |

The accompanying Notes to Consolidated Financial Statements (Unaudited) are an integral part of these consolidated financial statements.

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## MTS SYSTEMS CORPORATION

Consolidated Statements of Comprehensive Income (Unaudited) (in thousands)

|  | Three Mo<br>Ended  | onths   | Six Months End |           |  |
|--|--------------------|---------|----------------|-----------|--|
|  | March 31, April 1, |         | March 31       | ,April 1, |  |
|  | 2018               | 2017    | 2018           | 2017      |  |
| Net income   | \$8,438            | \$7,199 | \$41,589       | \$8,904   |  |
| Other comprehensive income (loss), net of tax        |                    |         |                |           |  |
| Foreign currency translation gain (loss) adjustments | 5,172              | 3,197   | 7,671          | (6,605)   |  |
| Derivative instruments                               |                    |         |                |           |  |
| Unrealized net gain (loss)                           | 240                | (1,017) | 1,270          | 3,141     |  |
| Net (gain) loss reclassified to earnings             | 687                | 62      | 790            | (206)     |  |
| Defined benefit pension plan                         |                    |         |                |           |  |
| Unrealized net gain (loss)                           | (641)              | 198     | (271)          | 326       |  |
| Net (gain) loss reclassified to earnings             | 95                 | 167     | 186            | 337       |  |
| Currency exchange rate gain (loss)                   | (181)              | (190)   | (268)          | 507       |  |
| Other comprehensive income (loss)                    | 5,372              | 2,417   | 9,378          | (2,500)   |  |
| Comprehensive income (loss)                          | \$13,810           | \$9,616 | \$50,967       | \$6,404   |  |

The accompanying Notes to Consolidated Financial Statements (Unaudited) are an integral part of these consolidated financial statements.

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# MTS SYSTEMS CORPORATION

Consolidated Statements of Cash Flows (Unaudited) (in thousands)

|  | Six Mont |          |   |
|--|----------|----------|---|
|  | March 31 | •        |   |
|  | 2018     | 2017     |   |
| Cash Flows from Operating Activities   |          |          |   |
| Net income   | \$41,589 | \$8,904  |   |
| Adjustments to reconcile net income to net cash provided by (used in) operating activities |          |          |   |
| Stock-based compensation   | 3,290    | 2,637    |   |
| Fair value adjustment to acquired inventory  |          | 7,724    |   |
| Net periodic pension benefit cost  | 597      | 856      |   |
| Depreciation and amortization  | 17,348   | 16,832   |   |
| Amortization of debt issuance costs  | 2,626    | 1,807    |   |
| Deferred income taxes  | (30,654) | (3,383   | ) |
| Bad debt provision (recovery), net   | 1,201    | 890      |   |
| Other  | (111)    | <u> </u> |   |
| Changes in operating assets and liabilities  |          |          |   |
| Accounts receivable and unbilled accounts receivable                                       | 24,174   | 15,233   |   |
| Inventories, net   | (14,441) | (1,925   | ) |
| Prepaid expenses   | (2,374)  | (3,055   | ) |
| Accounts payable   | (901)    | (3,627   | ) |
| Accrued payroll and related costs  | (11,921) | (6,319   | ) |
| Advance payments from customers  | 5,891    | 14,437   |   |
| Accrued warranty costs   | 157      | (465     | ) |
| Other assets and liabilities   | 787      | (9,329   | ) |
| Net Cash Provided by (Used in) Operating Activities  | 37,258   | 41,217   |   |
| Cash Flows from Investing Activities   |          |          |   |
| Purchases of property and equipment  | (5,368)  | (9,318   | ) |
| Proceeds from sale of property and equipment   | 69       | 25       |   |
| Other  | 823      | _        |   |
| Net Cash Provided by (Used in) Investing Activities  | (4,476)  | (9,293   | ) |
| Cash Flows from Financing Activities   |          |          |   |
| Payment of long-term debt  | (45,949) | (2,300   | ) |
| Payment of debt issuance costs for long-term debt  | _        | (186     | ) |
| Payment of debt component of tangible equity units   | (4,498)  | (4,197   | ) |
| Payment of debt issuance costs for revolving credit facility                               |          | (49      | ) |
| Receipts under short-term borrowings   | 7,750    | _        |   |
| Payments under short-term borrowings   | (7,750)  |          |   |
| Cash dividends   | (10,667) | (9,955   | ) |
| Proceeds from exercise of stock options and employee stock purchase plan                   | 745      | 1,672    |   |
| Payments to purchase and retire common stock   | (757)    | (1,482   | ) |
| Net Cash Provided by (Used in) Financing Activities  | (61,126) | (16,497  | ) |
| Effect of Exchange Rate Changes on Cash and Cash Equivalents                               | 3,989    | (2,774   | ) |
| Cash and Cash Equivalents  |          |          |   |
| Increase (decrease) during the period  | (24,355) | 12,653   |   |
| Balance, beginning of period   | 108,733  | 84,780   |   |
| Balance, end of period   | \$84,378 | \$97,433 | , |
| *  | •        |          |   |

Supplemental Disclosures

Cash paid during the period for

| Interest  | \$11,314 | \$15,197 |
|---|----------|----------|
| Income taxes  | 4,954    | 9,379    |
| Non-cash investing and financing activities         |          |          |
| Property and equipment acquired under capital lease | 67       |          |
| Dividends declared not yet paid                     | 5,291    | 5,021    |

The accompanying Notes to Consolidated Financial Statements (Unaudited) are an integral part of these consolidated financial statements.

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#### MTS SYSTEMS CORPORATION

Notes to Consolidated Financial Statements (Unaudited) (Dollars and shares in thousands, unless otherwise noted)

#### NOTE 1 BASIS OF PRESENTATION

The consolidated financial statements include the accounts of MTS Systems Corporation and its wholly owned subsidiaries. Significant intercompany account balances and transactions have been eliminated.

The terms "MTS," "we," "us," the "Company" or "our" in this Quarterly Report on Form 10-Q, unless the context otherwise requires, refer to MTS Systems Corporation and its wholly owned subsidiaries.

We have prepared the interim unaudited consolidated financial statements included herein pursuant to the rules and regulations of the United States (U.S.) Securities and Exchange Commission (SEC). The information furnished in these consolidated financial statements includes normal recurring adjustments and reflects all adjustments that are, in our opinion, necessary for a fair presentation of such financial statements. The consolidated financial statements are prepared in accordance with U.S. Generally Accepted Accounting Principles (GAAP). GAAP requires us to make estimates and assumptions that affect amounts reported. Certain information and footnote disclosures normally included in financial statements prepared in accordance with GAAP have been condensed or omitted pursuant to SEC rules and regulations. The accompanying consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto included in our Annual Report on Form 10-K for the fiscal year ended September 30, 2017 filed with the SEC. Interim results of operations for the second fiscal quarter ended March 31, 2018 are not necessarily indicative of the results to be expected for the full fiscal year.

We have a 5-4-4 week, quarterly accounting cycle with our fiscal year ending on the Saturday closest to September 30. Fiscal year 2018 ending on September 29, 2018 will consist of 52 weeks. Fiscal year 2017 ended on September 30, 2017 and consisted of 52 weeks.

NOTE 2 RECENTLY ISSUED ACCOUNTING PRONOUNCEMENTS

#### Revenue Recognition

In May 2014, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) No. 2014-09, Revenue from Contracts with Customers (Topic 606), and in August 2015, issued ASU No. 2015-14, Revenue from Contracts with Customers (Topic 606): Deferral of Effective Date, which amended ASU No. 2014-09 as to the effective date of the standard. The guidance, as amended, clarifies the principles for revenue recognition in transactions involving contracts with customers. Determination of when and how revenue is recognized will be based on a five-step analysis. The new guidance will require revenue recognition to depict the transfer of promised goods or services to a customer in an amount that reflects the consideration a company expects to receive in exchange for those goods or services. The mandatory effective date of the new revenue recognition standard was deferred by one year under ASU No. 2015-14.

In March 2016, the FASB issued ASU No. 2016-08, Revenue from Contracts with Customers (Topic 606): Principal versus Agent Considerations (Reporting Revenue Gross versus Net), which amends ASU No. 2014-09, Revenue from Contracts with Customers (Topic 606), to clarify principal versus agent guidance in situations in which a revenue transaction involves a third party in providing goods or services to a customer. In such circumstances, an entity must determine whether the nature of its promise to the customer is to provide the underlying goods or services (i.e., the entity is the principal in the transaction) or to arrange for the third party to provide the underlying goods or services (i.e., the entity is the agent in the transaction). To determine the nature of its promise to the customer, the entity must first identify each specified good or service to be provided to the customer and then (before transferring it) assess whether it controls each specified good or service. The new guidance clarifies how an entity should identify the unit of accounting (the specified good or service) for the principal versus agent evaluation, and how it should apply the control principle to certain types of arrangements, such as service transactions, by explaining what a principal controls before the specified good or service is transferred to the customer.

In April 2016, the FASB issued ASU No. 2016-10, Revenue from Contracts with Customers (Topic 606): Identifying Performance Obligations and Licensing, to amend ASU No. 2014-09, Revenue from Contracts with Customers (Topic

606), on identifying performance obligations to allow entities to disregard items that are immaterial in the context of the contract, clarify when a promised good or service is separately identifiable from other promises in the a contract and allow an entity to elect to account for the cost of shipping and handling performed after control of a good has been transferred to the customer as a fulfillment cost or an expense. The updated guidance also clarifies how an entity would evaluate the nature of its promise in granting a license of intellectual property, which determines whether the entity recognizes revenue over time or at a point in time, and other aspects relative to licensing.

In May 2016, the FASB issued ASU No. 2016-11, Revenue Recognition (Topic 605) and Derivatives and Hedging (Topic 815): Rescission of SEC Guidance Because of Accounting Standards Updates 2014-09 and 2014-16 Pursuant to Staff Announcements at the March 3, 2016 EITF Meeting (SEC Update), which rescinds previous guidance on revenue and expense recognition for freight services in process, accounting for shipping and handling fees and costs and accounting for consideration given by a vendor to a customer.

In May 2016, the FASB issued ASU No. 2016-12, Revenue from Contracts with Customers (Topic 606): Narrow-Scope Improvements and Practical Expedients, which amends ASU No. 2014-09, Revenue from Contracts with Customers (Topic 606), to clarify that, for a contract to be considered completed at transition, all (or substantially all) of the revenue must have been recognized under legacy GAAP. The amendment also added an expedient to ease transition for contracts that were modified prior to adoption of the new revenue standard and clarifies both how an entity should evaluate the collectibility threshold and when an entity can recognize non-refundable considerations received as revenue if the arrangement does not meet the standard's contract criteria. The amendment clarifies that fair value of non-cash considerations should be measured at contract inception when determining the transaction price and allows an entity to make an accounting policy election to exclude from the transaction price certain types of taxes collected from a customer if it discloses the policy.

In December 2016, the FASB issued ASU No. 2016-20, Technical Corrections and Improvements to Topic 606, Revenue from Contracts with Customers, which amends ASU 2014-09, Revenue from Contracts with Customers (Topic 606), providing thirteen corrections and improvements to the new revenue standard.

The aforementioned revenue standards and amendments are required to be adopted for annual periods beginning after December 15, 2017, including interim periods within that annual period, which is our fiscal year 2019. The new standards and amendments may be adopted retrospectively for all periods presented, or adopted using a modified retrospective approach. Early adoption is permitted for annual reporting periods beginning after December 15, 2016, and interim periods within that annual period, which is our fiscal year 2018. We intend to adopt the aforementioned revenue standards and amendments for our fiscal year 2019. We currently anticipate utilizing the modified retrospective approach as our method of adoption. We have substantially completed our review and analysis of our sales channels, selected contracts, policies and practices as compared to the new guidance and continue to work through implementation steps. We continue to evaluate our procedural and related system requirements related to the provisions of this standard. We are updating and rewriting our revenue recognition accounting policy as needed to reflect the requirements of this standard. In fiscal year 2018, we expect to draft our new revenue disclosures. We anticipate the revenue recognition methodology may change for certain products and contracts. Certain contracts may have a delay in revenue recognition until the customer takes control of the product, while certain products and contracts may accelerate revenue recognition to recognize revenue over the life of the contract. This change may have a material impact on the timing of revenue recognition in our Test segment. We continue to evaluate the impact that these changes in methodology will have on our consolidated financial statements.

Other

In February 2016, the FASB issued ASU 2016-02, Leases (Topic 824), which requires lessees to recognize a right-of-use asset, representing the right to use the underlying asset for the lease term, and a lease liability on the balance sheet for all leases with terms greater than 12 months. Lessees can forgo recognizing a right-of-use asset and lease liability with lease terms of 12 months or less on the balance sheet through accounting policy elections as long as the lease does not include options to purchase the underlying assets that are reasonably certain to be exercised. The new guidance also requires certain qualitative and quantitative disclosures designed to assess the amount, timing and uncertainty of cash flows arising from leases, along with additional key information about leasing arrangements. The standard is required to be adopted for annual periods beginning after December 15, 2018, including interim periods within that annual period, which is our fiscal year 2020. The amendment is to be applied using either a modified retrospective approach, which includes a number of optional practical expedients, with early adoption permitted. We are currently evaluating the impact the adoption of this guidance will have on our financial condition, results of operations and disclosures.

In March 2016, the FASB issued ASU No. 2016-04, Liabilities—Extinguishments of Liabilities (Subtopic 405-20): Recognition of Breakage for Certain Prepaid Stored-Value Products, which amends existing guidance on

extinguishing financial liabilities for certain prepaid stored-value products. The new standard requires recognition of the expected breakage amount or the value that is ultimately not redeemed either proportionally in earnings as redemption occurs or when redemption is remote, if issuers are not entitled to breakage. The standard is required to be adopted for annual periods beginning after December 15, 2017, including interim periods within that annual period, which is our fiscal year 2019. The amendment is to be applied either using a modified retrospective approach by recognizing a cumulative-effect adjustment to retained earnings as of the beginning of the year or retrospectively to each period presented. Early adoption is permitted. We are currently evaluating the impact, if any, the adoption of this guidance may have on our financial condition, results of operations and disclosures.

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In June 2016, the FASB issued ASU No. 2016-13, Financial Instruments—Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments, which changes the accounting for credit losses on instruments measured at amortized cost by adding an impairment model that is based on expected losses rather than incurred losses. An entity will recognize as an allowance its estimate of expected credit losses, which is believed to result in more timely recognition of such losses as the standard eliminates the probable initial recognition threshold. The standard is required to be adopted for annual periods beginning after December 15, 2019, including interim periods within that annual period, which is our fiscal year 2021. The amendment is to be applied using a modified retrospective approach as a cumulative-effect adjustment to retained earnings as of the beginning of the first reporting period in which adopted. Early adoption is permitted for annual periods beginning after December 15, 2018, including interim periods within that annual period, which is our fiscal year 2020. We have not yet evaluated the impact the adoption of this guidance may have on our financial condition, results of operations or disclosures.

In October 2016, the FASB issued ASU No. 2016-16, Income Taxes (Topic 740), Intra-Entity Transfers of Assets Other Than Inventory, which requires companies to account for the income tax effects of intercompany sales and transfers of assets other than inventory when the transfer occurs. Current guidance requires companies to defer the income tax effects of intercompany transfers of assets until the asset has been sold to an outside party or otherwise recognized. The standard is required to be adopted for annual periods beginning after December 15, 2017, including interim periods within that annual period, which is our fiscal year 2019. The amendment is to be applied using a modified retrospective approach. Early adoption is permitted as of the beginning of an annual period. We are currently evaluating the impact, if any, the adoption of this guidance will have on our financial condition, results of operations and disclosures.

In March 2017, the FASB issued ASU No. 2017-07, Compensation - Retirement Benefits (Topic 715): Improving the Presentation of Net Periodic Pension Cost and Net Periodic Postretirement Benefit Cost, which changes how employers that sponsor defined benefit pension or other postretirement benefit plans present the net periodic benefit cost in the income statement. The new guidance requires the service cost component of net periodic benefit cost to be presented in the same income statement line items as other employee compensation costs arising from services rendered during the period with only the service cost component eligible for capitalization in assets. Other components of the net periodic benefit cost are to be stated separately from the line items that include the service cost and outside of operating income. These components are not eligible for capitalization in assets. The standard is required to be adopted for annual periods beginning after December 15, 2017, including interim periods within that annual period, which is our fiscal year 2019. The amendment is to be applied retrospectively. Early adoption is permitted as of the beginning of an annual period. We are currently evaluating the impact, if any, the adoption of this guidance will have on our financial condition, results of operations and disclosures.

In May 2017, the FASB issued ASU 2017-09, Compensation - Stock Compensation (Topic 718): Scope of Modification Accounting, which clarifies when changes to the terms or conditions of a share-based payment award must be accounted for as modifications. Modification guidance must be applied if the fair value, vesting conditions or classification of the awards changes. The standard is required to be adopted for annual periods beginning after December 15, 2017, including interim periods within that annual period, which is our fiscal year 2019. The amendment is to be applied prospectively to an award modified on or after the adoption date, with early adoption permitted. We do not expect the adoption of this standard to have a material effect on our financial condition, results of operations or disclosures.

In August 2017, the FASB issued ASU No. 2017-12, Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities, which amends the hedge accounting model in Accounting Standards Codification (ASC) 815 to enable entities to better portray the economics of their risk management activities in the financial statements and enhance the transparency and understandability of hedge results. The standard is required to be adopted for annual periods beginning after December 15, 2018, including interim periods within that annual period, which is our fiscal year 2020. The amendment is to be applied using a modified retrospective approach, with early adoption permitted. We have not yet evaluated the impact the adoption of this guidance may have on our financial condition, results of operations or disclosures.

In March 2018, the FASB issued ASU No. 2018-02, Income Statement - Reporting Comprehensive Income (Topic 220): Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income, which provides an option to reclassify stranded tax effects within accumulated other comprehensive income (loss) (AOCI) to retained earnings due to the lower U.S. corporate tax rate in the Tax Cuts and Jobs Act (the Tax Act). The standard is required to be adopted for annual periods beginning after December 15, 2018, including interim periods within that annual period, which is our fiscal year 2020. The amendment is to be applied either in the period of adoption or retrospectively to each period in which the effect of the change in the U.S. federal corporate income tax rate in the Tax Act is recognized. Early adoption is permitted. We are currently evaluating the impact the adoption of this guidance will have on our financial condition, results of operations or disclosures.

In July 2015, the FASB issued ASU No. 2015-11, Inventory (Topic 330): Simplifying the Measurement of Inventory, which modifies existing requirements regarding measuring inventory at the lower of cost or market. Under current inventory

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standards, the market value requires consideration of replacement cost, net realizable value and net realizable value less an approximately normal profit margin. The new guidance replaces market with net realizable value defined as estimated selling prices in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation. This eliminates the need to determine and consider replacement cost or net realizable value less an approximately normal profit margin when measuring inventory. We adopted the new standard on a prospective basis for the annual period ending September 29, 2018, including interim periods within that annual period. The adoption of this guidance had no impact on our financial condition, results of operations or disclosures.

In March 2016, the FASB issued ASU No. 2016-09, Compensation - Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting, which is intended to simplify certain aspects of accounting for share-based compensation arrangements, including modifications to the accounting for income taxes upon vesting or settlement of awards, employer tax withholding on share-based compensation, classification on the statement of cash flows and forfeitures. We adopted the new standard for the annual period ending September 29, 2018, including interim periods within that annual period. Certain aspects of the amendment were applied using a retrospective transition method, while others were applied prospectively. The adoption of this standard resulted in an increase in cash flows from operating activities and a decrease of cash flows from financing activities of \$208 for fiscal year 2017 and \$187 for fiscal year 2016 for the reclassification from financing activities to operating activities of excess tax benefits from stock-based compensation. Additionally, we elected to modify our accounting policy for forfeitures on stock-based awards to record forfeitures when the forfeiture occurs instead of recording stock-based compensation expense based on an estimation of stock awards that will ultimately vest. The adoption of this guidance will not have a material impact on our financial condition, results of operations or disclosures for fiscal year 2018.

In August 2016, the FASB issued ASU No. 2016-15, Statement of Cash Flows (Topic 230): Classification of Certain Cash Receipts and Cash Payments, which provides guidance on the classification of certain cash receipts and cash payments with the objective of reducing diversity in practice. We early adopted the new standard on a retrospective basis for the annual period ending September 29, 2018, including interim periods within that annual period. The adoption of this guidance did not have a material impact on our current or prior year financial condition, results of operations or disclosures.

In January 2017, the FASB issued ASU No. 2017-01, Business Combinations (Topic 805): Clarifying the Definition of a Business, which changes the definition of a business to assist entities with evaluating when a set of transferred assets and activities is a business. The new guidance clarifies that a business must also include at least one substantive process and narrows the definition of outputs by more closely aligning it with how outputs are described in ASC 606, Revenue from Contracts with Customers. We early adopted the new standard on a prospective basis for the annual period ending September 29, 2018, including interim periods within that annual period. The adoption of this guidance had no impact on our financial condition, results of operations or disclosures, as the standard only applies to transactions occurring subsequent to adoption.

In March 2018, the FASB issued ASU No. 2018-05, Income Taxes (Topic 740): Amendments to SEC Paragraphs Pursuant to SEC Staff Accounting Bulletin No. 118 (SAB 118), which incorporates various SEC paragraphs from SAB 118 into income tax accounting guidance effective immediately. The SEC issued the interpretive guidance in SAB 118 on December 22, 2017 concurrent with the enactment of the Tax Act to clarify accounting and disclosure requirements. Pursuant to SAB 118, we recognized the estimated income tax effects of the Tax Act in our consolidated financial statements for all interim periods in our current fiscal year ending September 29, 2018. We adopted the new standard for the interim period ended March 31, 2018. See Note 11 for disclosure of the impact the adoption of this guidance on our financial condition and results of operations for fiscal year 2018.

### NOTE 3 INVENTORIES

Inventories consist of material, labor and overhead costs and are stated at the lower of cost or net realizable value determined under the first-in, first-out accounting method. Certain inventories are measured using the weighted average cost method. Inventories, net are as follows:

March 31, September 30, 2018 2017 \$94,988 \$ 86,991

Components, assemblies and parts

Customer projects in various stages of completion37,41230,225Finished goods11,08710,512Total inventories, net\$143,487\$127,728

#### NOTE 4 WARRANTY OBLIGATIONS

Sales of our products and systems are subject to limited warranty obligations that are included in customer contracts. For sales that include installation services, warranty obligations generally extend for a period of 12 to 24 months from the date of either shipment or acceptance based on the contract terms. Product obligations generally extend for a period of 12 to 24 months from the date of purchase. Certain products offered in our Sensors segment include a lifetime warranty.

Under the terms of these warranties, we are obligated to repair or replace any components or assemblies deemed defective due to workmanship or materials. We reserve the right to reject warranty claims where it is determined that failure is due to normal wear, customer modifications, improper maintenance or misuse. We record general warranty provisions based on an estimated warranty expense percentage applied to current period revenue. The percentage applied reflects our historical warranty claims experience over the preceding 12-month period. Both the experience percentage and the warranty liability are evaluated on an ongoing basis for adequacy. Warranty provisions are also recognized for certain unanticipated product claims that are individually significant.

Changes to accrued warranty costs are as follows:

|                                       | Three Months |           | Six Months    |         |  |
|---------------------------------------|--------------|-----------|---------------|---------|--|
|                                       | Ended        |           | Ended         |         |  |
|                                       | March 3      | lApril 1, | March 31April |         |  |
|                                       | 2018         | 2017      | 2018          | 2017    |  |
| Beginning accrued warranty costs      | \$5,832      | \$5,402   | \$6,018       | \$5,718 |  |
| Warranty claims                       | (1,410)      | (889)     | (2,585)       | (1,843) |  |
| Warranty provisions                   | 1,742        | 842       | 2,727         | 1,494   |  |
| Adjustments to preexisting warranties | 14           | (122)     | 14            | (117)   |  |
| Currency translation                  | 13           | 7         | 17            | (12)    |  |
| Ending accrued warranty costs         | \$6,191      | \$5,240   | \$6,191       | \$5,240 |  |
|                                       |              |           |               |         |  |

NOTE 5 CAPITAL ASSETS

Property and Equipment

Property and equipment, net are as follows:

| Troporty and equipment, not are as | 10110 11 51 |               |
|------------------------------------|-------------|---------------|
|                                    | March 31,   | September 30, |
|                                    | 2018        | 2017          |
| Land and improvements              | \$2,869     | \$ 2,867      |
| Buildings and improvements         | 61,793      | 60,340        |
| Machinery and equipment            | 201,351     | 196,621       |
| Assets held under capital leases   | 2,815       | 2,747         |
| Total property and equipment       | 268,828     | 262,575       |
| Less: Accumulated depreciation     | (173,255)   | (162,645)     |
| Total property and equipment, net  | \$95,573    | \$ 99,930     |

Assets held under capital leases, consisting of machinery and equipment, are recorded at the present value of minimum lease payments and are amortized on a straight-line basis over the estimated life of the asset or the lease term. Amortization of assets held as capital leases is included in depreciation expense in the Consolidated Statements of Income.

Goodwill

Changes to the carrying amount of goodwill are as follows:

|                             | Test     | Sensors   | Total     |
|-----------------------------|----------|-----------|-----------|
| Balance, September 30, 2017 | \$25,109 | \$344,653 | \$369,762 |
| Currency translation        | 715      | 36        | 751       |
| Balance, March 31, 2018     | \$25,824 | \$344,689 | \$370,513 |

# **Intangible Assets**

Intangible assets are as follows:

|  | March 31   | , 2018  |     |                                      |  |
|--|--|---|-----|--------------------------------------|--|
|  | Gross  | Accumulate  | Ы   | Net                                  | Weighted   |
|  | Carrying   | Amortizatio   |     | Carrying                             | Average  |
|  | Amount   | Amortizatio   | 111 | Value                                | Useful Life (in Years)                                   |
| Software development costs                           | \$27,999   | \$ (15,859  | )   | \$12,140                             | 5.9  |
| Technology and patents                               | 47,218   | (11,212   | )   | 36,006                               | 14.9   |
| Trademarks and trade names                           | 7,208  | (2,852  | )   | 4,356                                | 25.7   |
| Customer lists                                       | 157,000  | (18,342   | )   | 138,658                              | 15.8   |
| Land-use rights                                      | 2,437  | (627  | )   | 1,810                                | 26.9   |
| Trade names  | 57,500   |   |     | 57,500                               | Indefinite   |
| Total intangible assets                              | \$299,362  | \$ (48,892  | )   | \$250,470                            | 14.9   |
|  |  |   |     |                                      |  |
|  |  |   |     |                                      |  |
|  | Septembe   | r 30, 2017  |     |                                      |  |
|  | Septembe<br>Gross  |   | vd. | Net                                  | Weighted   |
|  | •  | Accumulate  |     | Net<br>Carrying                      | Weighted<br>Average                                      |
|  | Gross  |   |     |                                      | •  |
| Software development costs                           | Gross<br>Carrying  | Accumulate  | n   | Carrying                             | Average  |
| Software development costs<br>Technology and patents | Gross Carrying Amount                                      | Accumulate<br>Amortizatio                                   | n   | Carrying Value                       | Average<br>Useful Life (in Years)                        |
| -  | Gross Carrying Amount \$26,083                             | Accumulate<br>Amortizatio<br>\$ (15,830                     | n   | Carrying Value \$10,253              | Average<br>Useful Life (in Years)<br>5.9                 |
| Technology and patents                               | Gross Carrying Amount \$26,083 46,731                      | Accumulate<br>Amortizatio<br>\$ (15,830<br>(9,399           | n   | Carrying Value \$10,253 37,332       | Average<br>Useful Life (in Years)<br>5.9<br>14.9         |
| Technology and patents Trademarks and trade names    | Gross<br>Carrying<br>Amount<br>\$26,083<br>46,731<br>6,936 | Accumulate<br>Amortizatio<br>\$ (15,830<br>(9,399<br>(2,484 | n   | Carrying Value \$10,253 37,332 4,452 | Average<br>Useful Life (in Years)<br>5.9<br>14.9<br>25.6 |

Amortization expense recognized is as follows:

Three Months Six Months
Ended Ended
March 3April 1, March 3April 1,
2018 2017 2018 2017

Amortization expense \$3,456 \$3,663 \$6,935 \$7,328

Estimated future amortization expense related to finite-lived intangible assets is as follows:

\$296,643 \$ (41,564 ) \$255,079 15.0

Total intangible assets

Future amortization amounts presented above are estimates. Actual future amortization expense may be different due to fluctuations in foreign currency exchange rates, future acquisitions, impairments, changes in amortization periods or other factors.

#### NOTE 6 FAIR VALUE MEASUREMENTS

In determining the fair value of financial assets and liabilities, we currently utilize market data or other assumptions that we believe market participants would use in pricing the asset or liability in the principal or most advantageous market and adjust for non-performance and/or other risk associated with the company as well as counterparties, as appropriate. When considering market participant assumptions in fair value measurements, the following fair value hierarchy distinguishes between observable and unobservable inputs, which are categorized in one of the following levels:

Level 1: Unadjusted quoted prices which are available in active markets for identical assets or liabilities accessible to us at the measurement date.

Level 2: Inputs other than quoted prices included in Level 1 inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the asset or liability.

Level 3: Unobservable inputs for the asset or liability used to measure fair value to the extent that observable inputs are not available, thereby allowing for situations in which there is little, if any, market activity for the asset or liability at the measurement date.

The hierarchy gives the highest priority to Level 1, as this level provides the most reliable measure of fair value, while giving the lowest priority to Level 3.

Assets and Liabilities Measured at Fair Value on a Recurring Basis

Financial assets and liabilities subject to fair value measurements on a recurring basis are as follows:

|   | March 31                                     | 1, 2018              | 3                       |
|---|--|----------------------|-------------------------|
|   | Lekewel                                      | Leve                 | el <sub>T-4-1</sub>     |
|   | 1 2  | 3                    | 1 otai                  |
| Assets  |  |                      |                         |
| Currency contracts <sup>1</sup>   | \$ <del>-\$</del> 94                         | \$                   | <del>\$</del> 94        |
| Interest rate swaps <sup>2</sup>  | 6,925  |                      | 6,925                   |
|   | <b>—</b> 7,019                               |                      |                         |
|   |  |                      |                         |
| Liabilities   |  |                      |                         |
| Currency contracts <sup>1</sup>   | -1,667                                       | _                    | 1,667                   |
| Total liabilities   | \$-\$1,667                                   | 7 \$                 | <b>-\$</b> 1,667        |
|   |  |                      |                         |
|   | Septembe                                     | er 30,               | 2017                    |
|   | Septembe<br>Le <b>ke</b> vel                 | er 30,<br>Level      | 2017                    |
|   | Le <b>ke</b> vel                             | er 30,<br>Level<br>3 | 2017<br>Total           |
| Assets  | Le <b>ke</b> vel                             | Level                | 2017<br>Total           |
| Assets Currency contracts <sup>1</sup>  | Lekevel 1 2                                  | Level                | Total                   |
| 1 100 0 10  | Lekevel 1 2 \$-\$150                         | Level 3 -            | Total<br>\$150          |
| Currency contracts <sup>1</sup>   | Lekevel 1 2 \$-\$150                         | Level 3 \$ -         | Total<br>\$150<br>3,499 |
| Currency contracts <sup>1</sup><br>Interest rate swaps <sup>2</sup>           | Lekelvel<br>1 2<br>\$-\$150<br>3,499         | Level 3 \$ -         | Total<br>\$150<br>3,499 |
| Currency contracts <sup>1</sup><br>Interest rate swaps <sup>2</sup>           | Lekelvel<br>1 2<br>\$-\$150<br>3,499         | Level 3 \$ -         | Total<br>\$150<br>3,499 |
| Currency contracts <sup>1</sup> Interest rate swaps <sup>2</sup> Total assets | Lekevel<br>1 2<br>\$-\$150<br>3,499<br>3,649 | Level 3              | Total<br>\$150<br>3,499 |

Based on observable market transactions of spot currency rates and forward currency rates on equivalently-termed

Assets and Liabilities Measured at Fair Value on a Nonrecurring Basis

We measure certain financial instruments at fair value on a nonrecurring basis. These assets primarily include goodwill, intangible assets and other long-lived assets acquired either as part of a business acquisition, individually or

<sup>&</sup>lt;sup>1</sup> instruments. Carrying amounts of the financial assets and liabilities are equal to the fair value. See Note 7 for additional information on derivative financial instruments.

<sup>&</sup>lt;sup>2</sup> Based on London Interbank Offered Rate (LIBOR) and spot rates. Carrying amount of the financial asset is equal to the fair value. See Note 7 for additional information on derivative financial instruments.

with a group of other assets, as well as property and equipment. These assets were initially measured and recognized at amounts equal to the fair value determined as of the date of acquisition or purchase subject to changes in value only for foreign currency translation.

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Periodically, these assets are tested for impairment by comparing their respective carrying values to the estimated fair value of the reporting unit or asset group in which they reside. In the event any of these assets were to become impaired, we would recognize an impairment loss equal to the amount by which the carrying value of the reporting unit, impaired asset or asset group exceeds its estimated fair value. Fair value measurements of reporting units are estimated using an income approach involving discounted or undiscounted cash flow models that contain certain Level 3 inputs requiring management judgment, including projections of economic conditions and customer demand, revenue and margins, changes in competition, operating costs, working capital requirements and new product introductions. Fair value measurements of the reporting units associated with our goodwill balances and our indefinite-lived intangible assets are estimated at least annually in the fourth quarter of each fiscal year for purposes of impairment testing if a quantitative analysis is performed. Fair value measurements associated with our intangible assets, other long-lived assets and property and equipment are estimated when events or changes in circumstances such as market value, asset utilization, physical change, legal factors or other matters indicate that the carrying value may not be recoverable. See Note 5 for additional information on goodwill, indefinite-lived intangible assets, other long-lived assets and property and equipment.

## Assets and Liabilities Not Measured at Fair Value

Certain financial instruments are not measured at fair value but are recorded at carrying amounts approximating fair value based on their short-term nature or variable interest rate. These financial instruments include cash and cash equivalents, accounts receivable, accounts payable and short-term borrowings.

#### Other Financial Instruments

Other financial instruments subject to fair value measurements include debt, which is recorded at carrying value in the Consolidated Balance Sheets. The carrying amount and estimated fair value of our debt is as follows:

|  | March 31  |            |      |                    |     |    |
|--|-----------|------------|------|--------------------|-----|----|
|  | Carrying  | Fair       | Leve | Level 2            | Lev | el |
|  | Value     | Value      | 1    | Level 2            | 3   |    |
| Debt component of tangible equity units <sup>1</sup> | \$11,945  | \$14,158   | \$   | <b>-\$</b> 14,158  | \$  |    |
| Tranche B term loan <sup>2</sup>                     | 409,716   | 413,281    | —    | 413,281            | —   |    |
| Total debt   | \$421,661 | \$427,439  | \$   | -\$427,439         | \$  |    |
|  | Septembe  | r 30, 2017 |      |                    |     |    |
|  | Carrying  | Fair       | Leve | Level 2            | Lev | el |
|  | Value     | Value      | 1    | Level 2            | 3   |    |
| Debt component of tangible equity units <sup>1</sup> | \$16,443  | \$19,844   | \$   | <b>-\$</b> 19,844  | \$  |    |
| Tranche B term loan <sup>2</sup>                     | 455,400   | 457,085    |      | 457,085            |     |    |
| Total debt   | \$471.843 | \$476,929  | \$   | <b>-\$</b> 476,929 | \$  |    |

The fair value of the 8.75% tangible equity units (TEUs) is based on the most recently quoted price for the outstanding securities, adjusted for any known significant deviations in value. The estimated fair value of these long-term obligations is not necessarily indicative of the amount that would be realized in a current market exchange. See Note 12 for additional information on the TEUs.

The fair value of the tranche B term loan is based on the most recently quoted market price for the outstanding debt instrument, adjusted for any known significant deviations in value. The estimated fair value of the debt obligation is not necessarily indicative of the amount that would be realized in a current market exchange. See Note 8 for additional information on debt instruments.

#### NOTE 7 DERIVATIVE INSTRUMENTS AND HEDGING ACTIVITIES

Our currency exchange contracts and interest rate swaps are designated as cash flow hedges and qualify as hedging instruments. We also have derivatives which are not designated as cash flow hedges and, therefore, are accounted for and reported under foreign currency guidance. Regardless of designation for accounting purposes, we believe all of our derivative instruments are hedges of transactional risk exposures. The fair value of our outstanding designated and undesignated derivative assets and liabilities are reported in the Consolidated Balance Sheets as follows:

|  | March 2<br>Prepaid<br>Expens<br>and<br>Other<br>Current<br>Assets | es<br>Other<br>Accrued |
|--|---|------------------------|
| Designated hedge derivatives   |   |                        |
| Cash flow derivatives  | \$94  | \$ 1,432               |
| Interest rate swaps  | 6,925   | _                      |
| Total designated hedge derivatives                                   | 7,019   | 1,432                  |
| Undesignated hedge derivatives                                       |   |                        |
| Balance sheet derivatives  | _   | 235                    |
| Total hedge derivatives  | \$7,019 \$ 1,667  |                        |
|  | September 30,   |                        |
|  | 2017  |                        |
|  | Prepaid   |                        |
|  | Expens<br>and<br>Other<br>Current<br>Assets                       | Accrued Liabilities    |
| Designated hedge derivatives   |   |                        |
| Cash flow derivatives  | \$73  | \$ 551                 |
| Interest rate swaps  | 3,499   |                        |
| Total designated hedge derivatives<br>Undesignated hedge derivatives | 3,572   | 551                    |
| Balance sheet derivatives  | 77  | _                      |
| Total hedge derivatives  | \$3,649   | \$ 551                 |

A reconciliation of the net fair value of designated hedge derivatives subject to master netting arrangements that are recorded in the Consolidated Balance Sheets to the net fair value that could have been reported in the Consolidated Balance Sheets are as follows:

|                    | Gross      | Gross  | Net       | Derivatives | Cash       | Net      |
|--------------------|------------|--------|-----------|-------------|------------|----------|
|                    | Recognized | Offset | Amount    | Subject to  | Collateral | Amount   |
|                    | Amount     | Amount | Presented | Offset      | Received   | 1        |
| March 31, 2018     |            |        |           |             |            |          |
| Assets             | \$ 7,019   | \$ -   | \$ 7,019  | \$ (94 )    | \$ -       | -\$6,925 |
| Liabilities        | 1,432      | _      | 1,432     | (94)        | _          | 1,338    |
|                    |            |        |           |             |            |          |
| September 30, 2017 |            |        |           |             |            |          |
| Assets             | \$ 3,572   | \$ -   | \$ 3,572  | \$ (210 )   | \$ -       | -\$3,362 |
| Liabilities        | 551        |        | 551       | (210 )      |            | 341      |

<sup>1</sup> Net fair value of designated hedge derivatives that could have been reported in the Consolidated Balance Sheets. Cash Flow Hedging – Currency Risks

Currency exchange contracts utilized to maintain the functional currency value of expected financial transactions denominated in foreign currencies are designated as cash flow hedges. Qualifying gains and losses related to changes in the market value of these contracts are reported as a component of AOCI within shareholders' equity in the Consolidated Balance Sheets and reclassified into earnings in the same period during which the underlying hedged transaction affects earnings. The effective portion of the cash flow hedges represents the change in fair value of the hedge that offsets the change in the functional currency value of the hedged item. We periodically assess whether our currency exchange contracts are effective and, when a

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contract is determined to be no longer effective as a hedge, we discontinue hedge accounting prospectively. Subsequent changes in the market value of ineffective currency exchange contracts are recognized as an increase or decrease in revenue in the Consolidated Statements of Income as that is the same line item in which the underlying hedged transaction is reported.

As of March 31, 2018 and September 30, 2017, we had outstanding cash flow hedge currency exchange contracts with gross notional U.S. dollar equivalent amounts of \$47,269 and \$29,136, respectively. Upon netting offsetting contracts to sell foreign currencies against contracts to purchase foreign currencies, irrespective of contract maturity dates, the net notional U.S. dollar equivalent amount of contracts outstanding was \$43,576 and \$24,093 as of March 31, 2018 and September 30, 2017, respectively. As of March 31, 2018, the net market value of the foreign currency exchange contracts was a net liability of \$1,338, consisting of \$94 in assets and \$1,432 in liabilities. As of September 30, 2017, the net market value of the foreign currency exchange contracts was a net liabilities.

The pretax amounts recognized in AOCI on currency exchange contracts, including (gains) losses reclassified into earnings in the Consolidated Statements of Income and gains (losses) recognized in other comprehensive income (loss) (OCI), are as follows:

Three Months

Six Months

| Ended       |  |
|-------------|--|
| 31,April 1, |  |
| 2017        |  |
| ) \$(400)   |  |
| (737)       |  |
| ) 1,022     |  |
| 2) \$(115)  |  |
|             |  |

The amount recognized in earnings as a result of the ineffectiveness of cash flow hedges was \$4 and \$5 in the three and six months ended March 31, 2018, respectively, and \$6 and \$7 in the three and six months ended April 1, 2017, respectively. As of March 31, 2018, the amount projected to be reclassified from AOCI into earnings in the next 12 months was a net loss of \$1,001. The maximum remaining maturity of any forward or optional contract as of March 31, 2018 was 1.9 years.

Interest Rate Swaps

On October 20, 2016, we entered into a floating to fixed interest rate swap agreement to mitigate our exposure to interest rate increases related to a portion of our tranche B term loan facility. The total notional amount of the interest rate swap was \$255,000 as of March 31, 2018. The interest rate swap agreement expires April 3, 2021. As a result of this agreement, every month we pay fixed interest at 1.256% in exchange for interest received at one month U.S. LIBOR. The market value of the interest rate swap as of March 31, 2018 was an asset of \$6,925. The interest rate swap has been designated as a cash flow hedge. As a result, changes in the fair value of the interest rate swap are recorded in AOCI within shareholders' equity in the Consolidated Balance Sheets.

The pretax amounts recognized in AOCI on interest rate swaps, including (gains) losses reclassified into earnings in the Consolidated Statements of Income and gains (losses) recognized in OCI, are as follows:

|  | Three Months     | Six Months       |  |
|--|------------------|------------------|--|
|  | Ended            | Ended            |  |
|  | March 31April 1, | March 31April 1, |  |
|  | 2018 2017        | 2018 2017        |  |
| Beginning unrealized net gain (loss) in AOCI                           | \$5,027 \$4,267  | \$3,499 \$—      |  |
| Net (gain) loss reclassified into interest expense (effective portion) | (220 ) 416       | (239 ) 416       |  |
| Net gain (loss) recognized in OCI (effective portion)                  | 2,118 (373 )     | 3,665 3,894      |  |
| Ending unrealized net gain (loss) in AOCI                              | \$6,925 \$4,310  | \$6,925 \$4,310  |  |

As of March 31, 2018, the amount projected to be reclassified from AOCI into earnings in the next 12 months was a net gain of \$2,113.

Foreign Currency Balance Sheet Derivatives

We also use foreign currency derivative contracts to maintain the functional currency value of monetary assets and liabilities denominated in non-functional foreign currencies. The gains and losses related to the changes in the market value of these derivative contracts are included in other income (expense), net in the Consolidated Statements of Income.

As of March 31, 2018 and September 30, 2017, we had outstanding foreign currency balance sheet derivative contracts with gross notional U.S. dollar equivalent amounts of \$66,223 and \$52,208, respectively. Upon netting offsetting contracts by

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counterparty banks to sell foreign currencies against contracts to purchase foreign currencies, irrespective of contract maturity dates, the net notional U.S. dollar equivalent amount of contracts outstanding as of March 31, 2018 and September 30, 2017 was \$18,150 and \$14,762, respectively. As of March 31, 2018 and September 30, 2017, the net market value of the foreign exchange balance sheet derivative contracts was a net liability of \$235 and a net asset of \$77, respectively.

The net gain (loss) recognized in the Consolidated Statements of Income on foreign exchange balance sheet derivative contracts are as follows:

Three Months Six Months
Ended Ended
March 3April 1, March 31,April 1,
2018 2017 2018 2017
\$(848) \$(432) \$(1,027) \$(11)

March 31 September 30

Net gain (loss) recognized in other income (expense), net

NOTE 8 FINANCING

Long-term debt consists of the following:

|  | 2018      | 2017       | 50, |
|--|-----------|------------|-----|
| Long-term debt   | 2016      | 2017       |     |
| Tranche B term loan, 1.00% amortizing per year, maturing July 5, 2023    | \$409,716 | \$ 455,400 |     |
| Tangible equity units, 8.75% coupon, maturing July 1, 2019 <sup>1</sup>  | 11,945    | 16,443     |     |
| Capital lease obligations  | 2,268     | 2,466      |     |
| Total long-term debt   | 423,929   | 474,309    |     |
| Less: Unamortized underwriting discounts, commissions and other expenses | (10,137)  | (12,491    | )   |
| Less: Current maturities of tranche B term loan debt <sup>2</sup>        | (47,252)  | (33,600    | )   |
| Less: Current maturities of TEU debt <sup>2, 3</sup>                     | (9,474)   | (9,152     | )   |
| Less: Current maturities of capital lease obligations <sup>2</sup>       | (543)     | (522       | )   |
| Total long-term debt, less current maturities, net                       | \$356,523 | \$ 418,544 |     |
|  |           |            |     |

See Note 12 for additional information on our TEUs issued in the third quarter of fiscal year 2016.

In addition to the current maturities above, current maturities of long-term debt, net in the Consolidated Balance

Tranche B Term Loan and Revolving Credit Facility

We have a credit agreement with U.S. Bank National Association and HSBC Bank USA, National Association as Co-Documentation Agents, Wells Fargo Bank, National Association as Syndication Agent, JPMorgan Chase Bank, N.A. as Administrative Agent and JP Morgan Chase Bank, N.A. and Wells Fargo Securities, LLC as Joint Bookrunners and Joint Lead Arrangers (the Credit Agreement). The Credit Agreement provides for senior secured credit facilities consisting of a \$120,000 revolving credit facility (the Revolving Credit Facility) which expires on July 5, 2021 and a \$460,000 tranche B term loan facility (the Term Facility) which expires on July 5, 2023. The proceeds of the Revolving Credit Facility can be drawn upon to refinance existing indebtedness and for working capital and other general corporate purposes up to a maximum of \$120,000. The proceeds of the Term Facility were used for financing the acquisition of PCB Group, Inc. (PCB) in fiscal year 2016. The Term Facility amortizes in equal quarterly installments equal to 1% of the original principal amount.

The primary categories of borrowing include Alternate Base Rate (ABR) Borrowing (ABR Term Loans and ABR Revolving Loans), Swingline Loans and Eurocurrency Borrowing (each as defined in the Credit Agreement). ABR Borrowings and Swingline Loans made in U.S. dollars under the Credit Agreement bear interest at a rate per annum equal to the ABR plus the Applicable Rate (as defined in the Credit Agreement). The ABR is defined as the greater of

<sup>&</sup>lt;sup>2</sup> Sheets includes the current portion of unamortized underwriting discounts, commissions and other expenses of \$4,059 and \$4,179 as of March 31, 2018 and September 30, 2017, respectively.

As of March 31, 2018 and September 30, 2017, current maturities of tranche B term loan consists of the 1% annual payment and the calculated or estimated required annual Excess Cash Flow payment as defined below, as well as planned prepayments.

(a) the Prime Rate (as defined in the Credit Agreement) in effect on such day, (b) the New York Federal Reserve Bank (NYFRB) rate (as defined in the Credit Agreement) in effect on such day plus  $\frac{1}{2}$  of 1.00%, or (c) the Adjusted LIBOR (as defined in the Credit Agreement) for a one-month interest period in dollars on such day plus 1.00%. The ABR for ABR Term Loans shall not be less than 1.75% per

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annum. The Applicable Rate for any ABR Revolving Loans will be based upon the leverage ratio applicable on such date. As of March 31, 2018, the Applicable Rate for ABR Term Loans was 2.25% per annum.

Eurocurrency Borrowings made under the Credit Agreement bear interest at a rate per annum equal to the Adjusted LIBOR Rate plus the Applicable Rate. The Adjusted LIBOR Rate is defined as an interest rate per annum equal to (a) the LIBOR Rate for such interest period multiplied by (b) the Statutory Reserve Rate (as defined in the Credit Agreement). The Applicable Rate for any Eurocurrency Revolving Loan is based upon the leverage ratio applicable on such date. The Adjusted LIBOR Rate for Eurocurrency Term Loans shall not be less than 0.75% per annum. Based on our leverage ratio as of March 31, 2018, the Applicable Rate for Eurocurrency Revolving Loans was 3.00%. As of March 31, 2018, the Applicable Rate for Eurocurrency Term Loans was 3.25% per annum, plus the applicable Adjusted LIBOR Rate of 1.74%. The weighted average interest rate on Term Facility debt during the six months ended March 31, 2018 was 4.69%.

As of March 31, 2018 and September 30, 2017, there were no outstanding borrowings under the Revolving Credit Facility. We had outstanding letters of credit drawn from the Revolving Credit Facility totaling \$27,828 and \$37,811 as of March 31, 2018 and September 30, 2017, respectively, leaving approximately \$92,172 and \$82,189, respectively, of unused borrowing capacity. Commitment fees are payable on the unused portion of the Revolving Credit Facility at rates between 0.25% and 0.40% based on our leverage ratio. During the three and six months ended March 31, 2018, commitment fees incurred totaled \$77 and \$156, respectively. During the three and six months ended April 1, 2017, commitment fees incurred totaled \$114 and \$215, respectively.

The Credit Agreement governing the Term Facility requires us to prepay outstanding term loans, subject to certain exceptions, depending on the leverage ratio with (a) up to 50% of the Company's annual Excess Cash Flow (as defined in the Credit Agreement) and (b) 100% of the net cash proceeds of (i) certain asset sales and casualty and condemnation events, subject to reinvestment rights and certain other exceptions; and (ii) any incurrence or issuance of certain debt, other than debt permitted under the Credit Agreement. We may voluntarily prepay outstanding loans under the Term Facility at any time without premium or penalty. All obligations under the Credit Agreement are unconditionally guaranteed by certain of the Company's existing wholly owned domestic subsidiaries, and are secured, subject to certain exceptions, by substantially all of the Company's assets and the assets of the Company's subsidiary guarantors.

Under the Credit Agreement, we are subject to customary affirmative and negative covenants, including, among others, restrictions on our ability to incur debt, create liens, dispose of assets, make investments, loans, advances, guarantees, and acquisitions, enter into transactions with affiliates, and enter into any restrictive agreements and customary events of default (including payment defaults, covenant defaults, change of control defaults and bankruptcy defaults). The Credit Agreement also contains financial covenants, including the ratio of consolidated total indebtedness to adjusted consolidated earnings before income, taxes, depreciation and amortization (Adjusted EBITDA), as defined in the Credit Agreement, as well as the ratio of Adjusted EBITDA to consolidated interest expense. These covenants restrict our ability to purchase outstanding shares of our common stock. As of March 31, 2018 and September 30, 2017, we were in compliance with these financial covenants.

See Note 6 for additional information on the fair value of the tranche B term loan and the TEU debt. Interest Rate Swaps

On October 20, 2016, in order to mitigate our exposure to interest rate increases on our variable rate debt, we entered into a variable to fixed amortizing interest rate swap. See Note 7 for additional information on derivative financial instruments.

The interest rate swap will be reduced to the following notional amounts over the next four years:

Notional Amount

October 3, 2018 \$225,000

October 3, 2019 180,000

October 3, 2020 125,000

April 3, 2021 —

# NOTE 9 STOCK-BASED COMPENSATION

We compensate our officers, directors and employees with stock-based compensation under the 2017 Stock Incentive Plan (the 2017 Plan) approved by our shareholders and administered under the supervision of our Board of Directors. As of March 31, 2018, a total of 1,588 shares were available for issuance under the 2017 Plan.

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We make an annual stock grant under the 2017 Plan of stock options, restricted stock units and performance restricted stock units, as well as stock grants throughout the fiscal year. For fiscal years 2018, 2017 and 2016, the annual stock grant occurred in April 2018, April 2017 and December 2015, respectively.

In fiscal year 2018, we adopted ASU No. 2016-09, Compensation - Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting. See Note 2 for additional information regarding the impact of adoption.

#### **Stock Options**

There were no stock options granted during the six months ended March 31, 2018 and April 1, 2017.

Restricted Stock Units and Performance Restricted Stock Units

We award restricted stock units to directors and key employees and performance restricted stock units to key employees. During the six months ended March 31, 2018 and April 1, 2017, we granted approximately 24 restricted stock units to officers and employees and 2 restricted stock units to employees, respectively. The fair value of the restricted stock units granted during the six months ended March 31, 2018 and April 1, 2017 was \$48.61 and \$47.73, respectively, representing the market value of our shares at the date of grant less the present value of estimated foregone dividends over the vesting period. There were no performance restricted stock units granted during the six months ended March 31, 2018 and April 1, 2017.

## Employee Stock Purchase Plan

Our U.S. employees are eligible to participate in the 2012 Employee Stock Purchase Plan (2012 ESPP) approved by our shareholders. As of March 31, 2018, a total of 627 shares were available for issuance under the 2012 ESPP. During the six months ended March 31, 2018 and April 1, 2017, we issued 12 and 14 shares, respectively, of our common stock for a single closed purchase period to participants under the 2012 ESPP at a weighted average price per share of \$44.03 and \$37.53, respectively.

#### NOTE 10 EMPLOYEE BENEFIT PLANS

We sponsor a non-contributory, defined benefit retirement plan for eligible employees of one of our German subsidiaries. Net periodic benefit cost for our defined benefit pension plan include the following components:

| •                              | Three Months |                   | Six Months |                    |
|--------------------------------|--------------|-------------------|------------|--------------------|
|                                | Ended        |                   | Ended      |                    |
|                                | March        | <b>3N</b> pril 1, | March      | <b>3</b> Alpril 1, |
|                                | 2018         | 2017              | 2018       | 2017               |
| Service cost                   | \$331        | \$ 342            | \$649      | \$ 691             |
| Interest cost                  | 165          | 103               | 324        | 209                |
| Expected return on plan assets | (328)        | (260)             | (643)      | (526)              |
| Net amortization and deferral  | 137          | 238               | 267        | 482                |
| Net periodic benefit cost      | \$305        | \$ 423            | \$597      | \$ 856             |

The weighted average expected long-term rate of return on plan assets used to determine the net periodic benefit cost for each of the three and six months ended March 31, 2018 and April 1, 2017 was 5.5%.

#### NOTE 11 INCOME TAXES

The income tax benefit for the six months ended March 31, 2018 included certain discrete benefits of \$25,378 for the estimated impact of the Tax Act enacted into law on December 22, 2017. The discrete benefits primarily related to \$32,264 of estimated benefit from the remeasurement of our estimated net deferred tax liabilities, partially offset by \$6,886 of estimated expense associated with the mandatory deemed repatriation tax. Excluding the impact of these discrete benefits, the effective tax rate for the six months ended March 31, 2018 decreased compared to the prior year primarily due to the lower U.S. corporate tax rate under the Tax Act.

In March 2018, the FASB issued ASU No. 2018-05 which incorporates various SEC paragraphs from SAB 118 into income tax accounting guidance effective immediately, allowing registrants to record provisional amounts during a one-year measurement period. The updated guidance summarizes a three-step process to be applied at each reporting period to account for and qualitatively disclose: (i) the effects of the change in tax law for which accounting is complete; (ii) provisional amounts (or adjustments to provisional amounts) for the effects of the tax law where

accounting is not complete, but that a reasonable estimate has been determined; and (iii) a reasonable estimate cannot yet be made and therefore taxes are reflected in accordance with law prior to the enactment of the Tax Act. See Note 2 for additional information on the adoption of this guidance.

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Amounts recorded where the accounting is complete during the six months ended March 31, 2018 primarily relate to the reduction in the U.S. corporate income tax rate to 21%. We recorded an income tax benefit of \$32,244 to remeasure deferred tax liabilities associated with intangible assets that will reverse at the new 21% rate. Amounts recorded where the accounting is provisional during the six months ended March 31, 2018 include the remeasurement of other deferred taxes where the timing of the reversal cannot be known at this time. We have performed a provisional estimate of the net impact of remeasurement of other deferred tax assets and liabilities and recorded a \$20 income tax benefit during the six months ended March 31, 2018. In addition, the Tax Act includes a one-time mandatory repatriation transition tax on the net accumulated earnings and profits of our foreign subsidiaries. We have performed a provisional estimate of this tax and recorded a \$6,886 income tax provision during the six months ended March 31, 2018. These amounts are provisional based on incomplete information and use of estimates at future balance sheet dates which are needed to finalize the calculation.

We have completed our initial analysis of the impact of all provisions of the Tax Act expected to be effective in fiscal year 2018, and there are no anticipated effects of the Tax Act where we have not yet recorded a provisional estimate of the accounting effect as of March 31, 2018.

The full-year estimated annual effective tax rate, which excludes the impact of discrete items, was 17.3% as of March 31, 2018, as compared to 20.4% as of April 1, 2017. This decrease is primarily due to the reduction of the U.S. federal statutory rate from 35.0% to 24.5%, a blended rate based upon our fiscal year, partially offset by higher income before taxes.

As of March 31, 2018, the liability for unrecognized tax benefits was \$6,742, of which \$4,145 would favorably affect our effective tax rate, if recognized. As of September 30, 2017, the liability for unrecognized tax benefits was \$5,849, of which \$3,234 would favorably affect our effective tax rate, if recognized. As of March 31, 2018, we do not expect significant changes in the amount of unrecognized tax benefits during the next twelve months.

#### NOTE 12 SHAREHOLDERS' EQUITY

#### Tangible Equity Units

During the third quarter of fiscal year 2016, we issued 1,150 TEUs in a registered public offering primarily to finance the acquisition of PCB, to repay amounts outstanding under our existing revolving credit facility and to pay related costs, fees and expenses. Total proceeds, net of underwriting discounts, commissions and other expenses were \$110,926. Each TEU has a stated amount of \$100 per TEU and is comprised of a prepaid stock purchase contract and a senior amortizing note having a final installment payment date of July 1, 2019. We allocated the proceeds from the issuance of the TEUs between equity and debt based on the relative fair values of the respective components of each TEU. The fair value of the prepaid stock purchase contracts, net of underwriting discounts, commissions and other expenses, was recorded in additional paid-in capital in the Consolidated Balance Sheets. The fair value of the senior amortizing note, net of underwriting discounts, commissions and other expenses, was split between current maturities of long-term debt, net and long-term debt, less current maturities, net in the Consolidated Balance

Sheets. Underwriting discounts, commissions and other costs directly associated with the TEU-related debt will be amortized using the effective interest rate method over the three-year term of the instrument.

The aggregate values assigned upon issuance to each component of the TEUs, based on the relative fair value of the respective components, were as follows:

| Equity              | Debt   | Total   |  |
|---------------------|--|---|--|
| Component Component |  | Total   |  |
| \$ 76.19            | \$ 23.81                                     | \$100.00  |  |
| \$ 87,614           | \$ 27,386                                    | \$115,000   |  |
| (2,628)             | (822)  | (3,450 )  |  |
| (475)               | (149)  | (624)   |  |
| \$ 84,511           | \$ 26,415                                    | \$110,926   |  |
|                     | Component \$ 76.19 \$ 87,614 (2,628 ) (475 ) | Component Component<br>\$ 76.19 \$ 23.81<br>\$ 87,614 \$ 27,386<br>(2,628 ) (822 )<br>(475 ) (149 ) |  |

<sup>1</sup> The fair value price allocation between equity and debt for each TEU was determined using a discounted cash flow model.

<sup>&</sup>lt;sup>2</sup> Other expenses include direct and incremental costs related to the issuance of the TEUs.

## **Equity Component**

Unless converted earlier at the option of the holder, each prepaid stock purchase contract will automatically settle on July 1, 2019. If converted prior to the automatic settlement date at the option of the holder, the minimum of 1.9841 shares of our common stock are delivered to the holder of each prepaid stock purchase contract. On the automatic settlement date, a minimum of 1.9841 shares and a maximum of 2.3810 shares of our common stock, subject to adjustment based upon the

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applicable market value discussed below, will be delivered to the holder of each prepaid stock purchase contract at the settlement date.

The number of shares of our common stock issuable upon settlement of each purchase contract on July 1, 2019 will be determined as follows:

if the applicable market value is equal to or greater than the threshold appreciation price of \$50.40 per share, holders will receive 1.9841 shares of common stock per purchase contract, or the minimum settlement rate;

if the applicable market value is greater than the reference price of \$42.00 per share, but less than the threshold appreciation price of \$50.40 per share, holders will receive a number of shares of common stock equal to \$100 per TEU divided by the applicable market value; or

if the applicable market value is less than or equal to the reference price of \$42.00 per share, holders will receive 2.3810 shares of common stock per purchase contract, or the maximum settlement rate.

The "applicable market value" is defined as the average of the daily volume-weighted average price of the common stock on each of the 20 consecutive trading days beginning on, and including, the 23rd scheduled trading day immediately preceding July 1, 2019.

During the fourth quarter of fiscal year 2017, certain holders of our TEUs elected to early convert the equity component on 473 of our outstanding TEUs at the minimum conversion rate of 1.9841 which resulted in the issuance of 939 shares of our common stock. During the six months ended March 31, 2018, no holders of our TEUs elected to early convert the equity component of our outstanding TEUs. There were 677 units of the equity component of TEUs outstanding as of both March 31, 2018 and September 30, 2017.

### **Debt Component**

The amortizing senior note was issued with an initial principal amount of \$27,386 or \$23.8136 per TEU. Equal quarterly cash installments of \$2.1875 per amortizing note will be paid, which in the aggregate will be equivalent to a 8.75% cash distribution per year with respect to each \$100 stated amount per TEU. Each installment will constitute a payment of interest and partial repayment of principal.

# Earnings Per Common Share

The TEUs have a dilutive effect on our earnings per share. The 1.9841 minimum shares to be issued are included in the calculation of basic weighted average shares outstanding. The 0.3969 difference between the minimum shares and the 2.3810 maximum shares are potentially dilutive, and accordingly, are included in our diluted earnings per share on a pro rata basis to the extent the applicable market value is higher than the reference price but less than the threshold appreciation price. See Note 13 for additional information regarding the calculation of earnings per share. Capped Calls

In connection with the pricing of the TEUs sold in our public offering in fiscal year 2016, we purchased capped calls from third party banking institutions (Capped Calls) for \$7,935. The initial Capped Calls were for 2,282 equivalent shares of our common stock with a strike price of \$50.40, a cap price of \$58.80 and an expiration date of July 1, 2019 (Capped Call Expiration). The value of the Capped Calls is settled with shares of our common stock, based on the approximate market value of our common stock at such time, and may be settled as the TEUs are early converted or settled upon Capped Call Expiration.

During the fourth quarter of fiscal year 2017, we settled approximately 10% of the Capped Calls, which resulted in us receiving and retiring 12 shares of our common stock. During the six months ended March 31, 2018, no Capped Calls were settled. As of March 31, 2018, the range of shares of our common stock to be received under the outstanding Capped Calls was 0 to 293 shares, which will be realized if our stock price closes at or below \$50.40 or at \$58.80, respectively, upon Capped Call Expiration. Settlement of the Capped Calls prior to Capped Call Expiration may be for fewer shares than the maximum of 293 shares.

### NOTE 13 EARNINGS PER SHARE

Basic earnings per share is computed by dividing net income by the daily weighted average number of common shares outstanding during the applicable period. The TEUs are assumed to be settled at the minimum settlement amount of 1.9841 shares per TEU when calculating weighted-average common shares outstanding for purposes of basic earnings per share.

Using the treasury stock method, diluted earnings per share includes the potentially dilutive effect of common shares issued in connection with outstanding stock-based compensation options and grants. The potentially dilutive effect of common shares issued in connection with outstanding stock options is determined based on the average market price for the period. For diluted

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earnings per share, the TEUs are assumed to be settled at a conversion factor based on our daily volume-weighted average price per share of our common stock for the 20 consecutive trading days preceding the end of the current fiscal quarter not to exceed 2.3810 shares of common stock per TEU.

Under the treasury stock method, shares associated with certain stock options have been excluded from the diluted weighted average shares outstanding calculation because the exercise of those options would lead to a net reduction in common shares outstanding or anti-dilution. As a result, stock options to acquire 482 and 629 weighted common shares have been excluded from the diluted weighted average common shares outstanding calculation for the three months ended March 31, 2018 and April 1, 2017, respectively. Stock options to acquire 489 and 649 weighted common shares have been excluded from the diluted weighted average common shares outstanding calculation for the six months ended March 31, 2018 and April 1, 2017, respectively.

In connection with the pricing of the TEUs, we purchased Capped Calls. The Capped Calls will not be reflected in the calculation of diluted earnings per share until settled as they are anti-dilutive. See Note 12 for additional information on our equity instruments.

Basic and diluted earnings per share are calculated as follows:

|   | Three N | Months              | Six Months |           |  |
|---|---------|---------------------|------------|-----------|--|
|   | Ended   |                     | Ended      |           |  |
|   | March   | 3 <b>A</b> ,pril 1, | March 3    | 1April 1, |  |
|   | 2018    | 2017                | 2018       | 2017      |  |
| Net income  | \$8,438 | \$7,199             | \$41,589   | \$8,904   |  |
| Weighted average common shares outstanding          | 19,150  | 19,016              | 19,137     | 18,992    |  |
| Effect of dilutive securities                       |         |                     |            |           |  |
| Stock-based compensation                            | 123     | 93                  | 121        | 103       |  |
| Weighted average dilutive common shares outstanding | 19,273  | 19,109              | 19,258     | 19,095    |  |
| Earnings per share                                  |         |                     |            |           |  |
| Basic   | \$0.44  | \$0.38              | \$2.17     | \$0.47    |  |
| Diluted   | 0.44    | 0.38                | 2.16       | 0.47      |  |
| NOTE 14 OTHER COMPREHENSIVE INCOME                  | (I OSS) | ١                   |            |           |  |

NOTE 14 OTHER COMPREHENSIVE INCOME (LOSS)

Other comprehensive income (loss), a component of shareholders' equity, consists of foreign currency translation adjustments, gains or losses on derivative instruments and defined benefit pension plan adjustments.

Income tax expense or benefit allocated to each component of other comprehensive income (loss) are as follows:

|  | Three March 3 |             |         | Six Months Ended |             |         |  |
|--|---------------|-------------|---------|------------------|-------------|---------|--|
|  | Pre-tax       | Tax         | Net     | Pretax           | Tax         | Net     |  |
| Foreign currency translation gain (loss) adjustments | \$5,172       | <b>\$</b> — | \$5,172 | \$7,671          | <b>\$</b> — | \$7,671 |  |
| Derivative instruments                               |               |             |         |                  |             |         |  |
| Unrealized net gain (loss)                           | 324           | (84)        | 240     | 1,713            | (443)       | 1,270   |  |
| Net (gain) loss reclassified to earnings             | 926           | (239)       | 687     | 1,065            | (275)       | 790     |  |
| Defined benefit pension plan                         |               |             |         |                  |             |         |  |
| Unrealized net gain (loss)                           | (918)         | 277         | (641)   | (388)            | 117         | (271)   |  |
| Net (gain) loss reclassified to earnings             | 137           | (42)        | 95      | 267              | (81)        | 186     |  |
| Currency exchange rate gain (loss)                   | (181)         |             | (181)   | (268)            |             | (268)   |  |
| Other comprehensive income (loss)                    | \$5,460       | \$(88)      | \$5,372 | \$10,060         | \$(682)     | \$9,378 |  |

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|  | Three M  |       | Ended   | Six Months Ended |           |           |  |
|--|----------|-------|---------|------------------|-----------|-----------|--|
|  | April 1, | 2017  |         |                  |           |           |  |
|  | Pre-tax  | Tax   | Net     | Pretax           | Tax       | Net       |  |
| Foreign currency translation gain (loss) adjustments | \$3,197  | \$    | \$3,197 | \$(6,605)        | \$—       | \$(6,605) |  |
| Derivative instruments                               |          |       |         |                  |           |           |  |
| Unrealized net gain (loss)                           | (1,593)  | 576   | (1,017) | 4,916            | (1,775)   | 3,141     |  |
| Net (gain) loss reclassified to earnings             | 98       | (36)  | 62      | (321)            | 115       | (206)     |  |
| Defined benefit pension plan                         |          |       |         |                  |           |           |  |
| Unrealized net gain (loss)                           | 284      | (86)  | 198     | 467              | (141)     | 326       |  |
| Net (gain) loss reclassified to earnings             | 238      | (71)  | 167     | 482              | (145)     | 337       |  |
| Currency exchange rate gain (loss)                   | (190)    |       | (190)   | 507              |           | 507       |  |
| Other comprehensive income (loss)                    | \$2,034  | \$383 | \$2,417 | \$(554)          | \$(1,946) | \$(2,500) |  |
|  |          |       |         |                  |           |           |  |

The changes in the net of tax balances of each component of AOCI are as follows:

| C   |                     |                                 | Three Months Ended S March 31, 2018                                  |             |        |       |       | Six Months Ended |   |       |        |            |                 |       |         |    |
|---|---------------------|---------------------------------|--|-------------|--------|-------|-------|------------------|---|-------|--------|------------|-----------------|-------|---------|----|
|   |                     | Adjustm                         | ents   | S           |        |       |       |                  | Adjustments   |       |        |            |                 |       |         |    |
|   |                     | Currency                        | oreign Unrealized Benefit Bension Plan  Defined Benefit Pension Plan |             |        |       |       | al (             | Foreign Unrealized<br>Currency Derivative<br>Translatidnstrumen |       |        | ve Benefii | t               | Total |         |    |
| Beginning balance                                     |                     | \$6,445                         | \$ 3   | 3,086       | \$(6,0 | 078)  | \$3,4 |                  |   |       | \$ 1,9 |            | \$(6,45)        | 2)    | \$(553  | )  |
| Other comprehensive net gain (I reclassifications     | loss)               | 5,172                           | 240  | 0           | (822   | )     | 4,59  | 90 ′             | 7,671   | ]     | 1,270  | )          | (539            | )     | 8,402   |    |
| Net (gain) loss reclassified to ea                    | _                   |                                 | 68′  |             | 95     |       | 782   |                  |   |       | 790    |            | 186             |       | 976     |    |
| Other comprehensive income (le                        | oss)                | 5,172                           | 92   |             | (727   |       | 5,37  |                  | 7,671   |       | 2,060  |            | (353            | -     | 9,378   | _  |
| Ending balance  |                     | \$11,617                        |  |             | \$(6,8 | 305)  |       |                  |   |       |        |            | \$(6,80         | 5)    | \$8,825 | )  |
|   |                     | Ionths E                        | ndec   | 1           |        |       |       | S1X I            | Mont  | ins E | nded   |            |                 |       |         |    |
|   | April 1,<br>Adjustn |                                 |  |             |        |       | ıctme | ente             |   |       |        |            |                 |       |         |    |
|   | ·                   |                                 |  | . Define    | h      |       |       | ·                |   |       |        | 1          | Defined         |       |         |    |
|   | _                   | Unreal                          |  | l<br>Benefi | t      |       |       |                  | eign  |       |        | ed 1       | Benefit         | _     |         |    |
|   |                     | y Deriva<br>tio <b>l</b> nstrur |  | Pensio      | 10     | otal  |       |                  | ency<br>Islatio   |       |        | nt l       | Pension<br>Plan | Т     | otal    |    |
| Beginning balance                                     | \$(9,129            | \$ 3,635                        | 5  | \$(9,79     | 6) \$( | 15,29 | 90)   | \$673            | 3   | \$ (2 | 55     | ) 5        | \$(10,791)      | \$    | (10,373 | 3) |
| Other comprehensive net gain (loss) reclassifications | 3,197               | (1,017                          | )  | 8           | 2,1    | 188   |       | (6,60            | 05 )  | 3,14  | 1      | 8          | 833             | (2    | ,631    | )  |
| Net (gain) loss reclassified to earnings              | _                   | 62                              |  | 167         | 22     | 9     |       | _                |   | (206  | 6      | ) 3        | 337             | 13    | 31      |    |
| Other comprehensive income (loss)                     | 3,197               | (955                            | )  | 175         | 2,4    | 417   |       | (6,60            | 05 )  | 2,93  | 35     | 1          | 1,170           | (2    | ,500    | )  |
| Ending balance  | \$(5,932            | ) \$ 2,680                      | )  | \$(9,62     | 1) \$( | 12,8  | 73)   | \$(5,            | 932)  | \$ 2, | 680    | 9          | \$(9,621)       | \$    | (12,873 | 3) |

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The effect on certain line items in the Consolidated Statements of Income of amounts reclassified out of AOCI are as follows:

|   | Three MEnded | Иc | onths  |    | Six Months<br>Ended |    |        |    | Affected Line Item in the         |
|---|--------------|----|--------|----|---------------------|----|--------|----|-----------------------------------|
|   |              | 31 | ,April | 1, | March :             | 31 | ,April | 1, | Consolidated Statements of Income |
|   | 2018         |    | 2017   |    | 2018                |    | 2017   |    | of fileome                        |
| Derivative instruments  |              |    |        |    |                     |    |        |    |                                   |
| Currency exchange contracts gain (loss)   | \$(1,140     | 5) |        |    | \$(1,304            | 1) | \$737  |    | Revenue                           |
| Interest rate swap contracts gain (loss)  | 220          |    | (416   | )  | 239                 |    | (416   | )  | Interest expense, net             |
| Income tax benefit (expense)  | 239          |    | 36     |    | 275                 |    | (115   | )  | Income tax provision (benefit)    |
| Total net gain (loss) on derivative instruments<br>Defined benefit pension plan | (687         | )  | (62    | )  | (790                | )  | 206    |    | Net income                        |
| Actuarial loss  | (75          | )  | (130   | )  | (146                | )  | (263   | )  | Cost of sales                     |
| Actuarial loss  | (38          | )  | (67    | )  | (75                 | )  | (136   | )  | Selling and marketing             |
| Actuarial loss  | (24          | )  | (41    | )  | (46                 | )  | (83    | )  | General and administrative        |
| Total actuarial loss  | (137         | )  | (238   | )  | (267                | )  | (482   | )  | Income before income taxes        |
| Income tax benefit  | 42           |    | 71     |    | 81                  |    | 145    |    | Income tax provision (benefit)    |
| Total net loss on pension plan  | (95          | )  | (167   | )  | (186                | )  | (337   | )  | Net income                        |
| Total net of tax reclassifications out of AOCI included in net income           | \$(782       | )  | \$(229 | )  | \$(976              | )  | \$(131 | )  |                                   |

#### NOTE 15 BUSINESS SEGMENT INFORMATION

Our Chief Executive Officer (the Chief Operating Decision Maker) regularly reviews financial information for our two operating segments, Test and Sensors. Test provides testing equipment, systems and services to the ground vehicles, materials and structures sectors. Sensors provides high performance sensors for acceleration, position, vibration, motion, pressure and force measurement.

In evaluating each segment's performance, our Chief Executive Officer focuses on income from operations. This measure excludes interest income and expense, income taxes and other non-operating items. Corporate expenses, including costs associated with various support functions such as human resources, information technology, legal, finance, and accounting, and general and administrative costs, are allocated to the reportable segments on the basis of revenue. The accounting policies of the reportable segments are the same as those described in Note 1 to the Consolidated Financial Statements found in our Annual Report on Form 10-K for the fiscal year ended September 30, 2017.

The acquisition of PCB in fiscal year 2016 generated new opportunities to sell between our operating segments. Intersegment revenue is based on standard costs with reasonable mark-ups established between the reportable segments. All significant intersegment amounts are eliminated to arrive at consolidated financial results. On January 5, 2017, we announced the division of our Test segment into two separate business units, "Materials Test Systems" and "Vehicles and Structures Test Systems." The division of our Test segment will result in us having three operating segments once discrete financial information is made available to our Chief Operating Decision Maker. We will continue to report only the Test and Sensors segments until such time. We continue to evaluate the timing of such implementation.

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Financial information by reportable segment is as follows:

|                              | Three Mon | ths Ended | Six Months | s Ended   |
|------------------------------|-----------|-----------|------------|-----------|
|                              | March 31, | April 1,  | March 31,  | April 1,  |
|                              | 2018      | 2017      | 2018       | 2017      |
| Revenue                      |           |           |            |           |
| Test                         | \$110,238 | \$123,840 | \$228,441  | \$254,966 |
| Sensors                      | 81,542    | 69,584    | 157,501    | 137,737   |
| Intersegment eliminations    | (457)     | _         | (457)      | _         |
| Total revenue                | \$191,323 | \$193,424 | \$385,485  | \$392,703 |
| Income from operations       |           |           |            |           |
| Test                         | \$3,295   | \$6,367   | \$8,904    | \$18,083  |
| Sensors                      | 13,337    | 9,045     | 24,225     | 7,619     |
| Intersegment eliminations    | (22)      | _         | (22)       | _         |
| Total income from operations | \$16,610  | \$15,412  | \$33,107   | \$25,702  |
| NOTE 16 RESTRUCTU            | RING AND  | RELATE    | D COSTS    |           |

Fiscal Year 2017 Restructuring

During the fourth quarter of fiscal year 2017, we initiated a series of Test workforce reductions and facility closures intended to increase organizational effectiveness, gain manufacturing efficiencies and provide cost savings that can be reinvested in our growth initiatives. These actions include the transfer of certain production operations in China to a contract manufacturing partner in fiscal year 2018. As a result, in the three and six months ended March 31, 2018, we recorded \$321 and \$414 of pre-tax severance and related expense, respectively, and \$25 and \$187 of pre-tax facility closure costs, respectively. As of March 31, 2018, we have incurred a total of \$3,523 of pre-tax expense, including \$3,313 and \$210 of pre-tax expense related to severance and facility closure costs, respectively. For our fiscal year ending September 29, 2018, we expect to incur total expense of approximately \$1,000 to \$2,000 related to these restructuring actions. The majority of the expenses are expected to be paid in the first half of fiscal year 2019. During the fourth quarter of fiscal year 2017, in an effort to reduce costs and create economic efficiencies in Sensors, we initiated plans to close our Machida, Japan sales office in the second quarter of fiscal year 2018. In the three and six months ended March 31, 2018, we recorded \$16 and \$7 of pre-tax severance and related expense. As of March 31, 2018, we have incurred a total of \$137 of pre-tax severance and related expense. We expect to incur additional pre-tax severance and related expense of approximately \$60. The majority of the expenses are expected to be paid in fiscal year 2018.

### Fiscal Year 2016 Restructuring

During fiscal year 2016, we initiated plans to reduce costs in Sensors by closing our Machida, Japan manufacturing facility in the third quarter of fiscal year 2017. We recorded no restructuring expenses in the three and six months ended March 31, 2018 and \$381 and \$944 in the three and six months ended April 1, 2017, respectively. As of March 31, 2018, we have incurred a total of \$1,964 of pre-tax expense, including \$1,444 and \$520 related to severance and facility closure costs, respectively. The remaining severance and facility closing costs are expected to be paid during the third quarter of fiscal year 2018.

### Fiscal Year 2014 Restructuring

During fiscal year 2014, we initiated workforce and other cost reduction actions at certain of our Test locations in the U.S. and Europe. No restructuring expenses were recognized during the three or six months ended March 31, 2018 or April 1, 2017 related to these restructuring actions.

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Restructuring expense included in our Consolidated Statements of Income for all restructuring actions are as follows:

Three Months Ended March 31, 2018 April 1, 2017 Test Sensors Total Testensors Total \$304 \$ — \$304 \$-\$ 254 Cost of sales \$254 Selling and marketing 16 16 <del>---45</del> 45 <del>---82</del> General and administrative 42 42 82 \_\_ Total restructuring expense \$346 \$ 16 \$362 \$<del>-\$</del> 381 \$381 Six Months Ended March 31, 2018 April 1, 2017 Test Sensors Total Testensors Total Cost of sales \$424 \$ — \$424 \$<del>-\$</del> 580 \$580 -126Selling and marketing \_\_ 7 7 126 General and administrative 177 — 177 —238 238 Total restructuring expense \$601 \$ 7 \$608 \$-\$ 944 \$944

Restructuring expense accruals included in the Consolidated Balance Sheets for all restructuring actions are as follows:

|                             | 2017    |         | 2016    | 2014  |         |
|-----------------------------|---------|---------|---------|-------|---------|
|                             | Test    | Sensors | Sensors | Test  | Total   |
| Balance, September 30, 2017 | \$2,899 | \$ 120  | \$ 209  | \$734 | \$3,962 |
| Restructuring expense       | 601     | 7       |         | _     | 608     |
| Payments                    | (1,002) | (95)    | (62)    | (192) | (1,351) |
| Other adjustments           | (32)    |         |         | _     | (32)    |
| Currency translation        | _       | 6       | 10      | 28    | 44      |
| Balance, March 31, 2018     | \$2,466 | \$ 38   | \$ 157  | \$570 | \$3,231 |

Restructuring expense accruals included in the Consolidated Balance Sheets are as follows:

March 31, September 30, 2018 2017

Accrued payroll and related costs \$ 2,925 \$ 3,485

Other accrued liabilities 103 98

Other long-term liabilities 203 379

Total severance and related costs \$ 3,231 \$ 3,962

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Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Management's Discussion and Analysis of Financial Condition and Results of Operations (MD&A) is designed to provide a reader of our financial statements with a narrative from the perspective of management on our financial condition, results of operations, liquidity and certain other factors that may affect our future results. Our MD&A is presented in nine sections:

Overview
Financial Results
Cash Flow Comparison
Liquidity and Capital Resources
Off-balance Sheet Arrangements
Critical Accounting Policies
Recently Issued Accounting Pronouncements
Other Matters
Forward-looking Statements

Our MD&A should be read in conjunction with the Consolidated Financial Statements and related Notes included in Item 1 of Part I of this Quarterly Report on Form 10-Q. All dollar and share amounts are in thousands, unless otherwise noted.

Overview

MTS Systems Corporation is a leading global supplier of high performance test systems and sensors. Our testing hardware and software solutions help customers accelerate and improve design, development and manufacturing processes and are used for determining the mechanical behavior of materials, products and structures. Our high performance sensors provide controls for a variety of applications measuring acceleration, position, vibration, motion, pressure, force and sound. As of September 30, 2017, we had 3,500 employees and revenue of \$787,955 for fiscal year 2017.

Our goal is to sustain profitable enterprise growth, consistently generate strong cash flow and deliver a strong return on invested capital to our shareholders by leveraging our leadership position in the research and development and industrial global end markets for high-performance test systems and sensors. Our desire is to be the innovation leader in creating test and measurement solutions and to provide total customer satisfaction. We believe we can create value for our customers by helping to enhance the precision, improve the reliability and create superior safety for their products, while reducing the delivery time to market for their products. Our competitive advantages include our proprietary technology and advanced application expertise, our expansive global footprint with long-term customer relationships, our large installed base of testing equipment and our expanded presence in the rapidly growing sensors market. We believe these competitive advantages position us well in both the test and sensors markets to deliver profitable growth in the years ahead.

We are working toward our goals of sustained five to seven percent growth in annual revenue; three to four points of expanded earnings before interest, taxes, depreciation and amortization (EBITDA); and mid-teens for return on invested capital (ROIC). We believe the growth in our end markets, combined with four primary opportunities we are currently pursuing, will support these goals:

Realize growth within the rapidly expanding Sensors market through an increase in our global market share and new product development;

Expand Test services offerings into our large installed base of Test equipment;

Capitalize on growth opportunities in the Test materials sector spurred by new manufacturing processes, focus on light-weight materials in aerospace and ground vehicle markets, and trends in energy exploration; and Adapt our industry-leading ground vehicle testing applications to align with emerging trends in vehicle electrification, autonomous vehicles, and simulation.

We believe that our business model supports our growth objectives, provided that we continue to move aggressively to build our infrastructure, expand our offerings and execute on opportunities with our key customers around the world. In order to accelerate our revenue growth over the next five years, investments in infrastructure, sales support and field service capacity and capability are essential.

Tax Cuts and Jobs Act

The Tax Cuts and Jobs Act (the Tax Act) was signed into law on December 22, 2017. The Tax Act made numerous changes to U.S. federal corporate tax law and reduced our effective tax rate for fiscal year 2018 and future periods. Effective January 1, 2018, the Tax Act lowers the U.S. corporate tax rate from 35% to 21% and prompts various other changes to U.S. federal corporate tax law, including the establishment of a territorial-style system for taxing foreign-source income of domestic multinational corporations. We have completed our initial analysis to quantify the tax impacts of the Tax Act and have recorded

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an estimate of the impact in our fiscal year 2018 results. See Note 11 to the Consolidated Financial Statements included in Item 1 of Part I of this Quarterly Report on Form 10-Q for further discussion of the impact of the Tax Act. Restructuring Initiative

During the fourth quarter of fiscal year 2017, we initiated a series of Test workforce reductions and facility closures intended to increase organizational effectiveness, gain manufacturing efficiencies and provide cost savings that can be reinvested in our growth initiatives. These actions include the transfer of certain production operations in China to a contract manufacturing partner in fiscal year 2018. As a result, in the three and six months ended March 31, 2018, we recorded \$321 and \$414 of pre-tax severance and related expense, respectively, and \$25 and \$187 of pre-tax facility closure costs, respectively. See Note 16 to the Consolidated Financial Statements included in Item 1 of Part I of this Quarterly Report on Form 10-Q for further discussion of restructuring initiatives.

### Foreign Currency

Approximately 70% of our revenue has historically been derived from customers outside of the U.S. Our financial results are principally exposed to changes in exchange rates between the U.S. dollar and the Euro, the Japanese yen and the Chinese yuan. A change in foreign exchange rates could positively or negatively affect our reported financial results. The discussion below quantifies the impact of foreign currency translation on our financial results for the periods discussed.

### Terms

The terms "MTS," "we," "us," the "Company," or "our" in this Quarterly Report on Form 10-Q, unless the context otherwise requires, refer to MTS Systems Corporation and its wholly owned subsidiaries.

### **Financial Results**

**Total Company** 

# Results of Operations

The following table compares results of operations, separately identifying the estimated impact of currency translation and restructuring costs incurred in fiscal year 2018.

| $\mathcal{E}$              | Three Mont     | hs Ended           |              |    |                         |               |   |
|----------------------------|----------------|--------------------|--------------|----|-------------------------|---------------|---|
|                            |                | Estimated          |              |    |                         |               |   |
|                            | March 31, 2018 | Business<br>Change | Restructurin | ng | Currency<br>Translation | April 1, 2017 |   |
| Revenue                    | \$191,323      | \$(11,664)         | \$ —         |    | \$ 9,563                | \$193,42      | 4 |
| Cost of sales              | 116,498        | (4,979             | 304          |    | 6,605                   | 114,568       |   |
| Gross profit               | 74,825         | (6,685             | (304         | )  | 2,958                   | 78,856        |   |
| Gross margin               | 39.1 %         |                    |              |    |                         | 40.8          | % |
| Operating expenses         |                |                    |              |    |                         |               |   |
| Selling and marketing      | 30,597         | (1,237)            | 16           |    | 1,191                   | 30,627        |   |
| General and administrative | 18,992         | (5,151)            | 42           |    | 545                     | 23,556        |   |
| Research and development   | 8,626          | (763               | · —          |    | 128                     | 9,261         |   |
| Total operating expenses   | 58,215         | (7,151             | 58           |    | 1,864                   | 63,444        |   |
| Income from operations     | \$16,610       | \$466              | \$ (362      | )  | \$ 1,094                | \$15,412      |   |

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|                            | Six Months | Ended      |               |             |           |
|----------------------------|------------|------------|---------------|-------------|-----------|
|                            |            | Estimated  |               |             |           |
|                            | March 31,  | Business   | Restructuring | Currency    | April 1,  |
|                            | 2018       | Change     | Restructuring | Translation | 2017      |
| Revenue                    | \$385,485  | \$(20,916) | \$ —          | \$ 13,698   | \$392,703 |
| Cost of sales              | 232,732    | (17,587)   | 424           | 9,512       | 240,383   |
| Gross profit               | 152,753    | (3,329)    | (424)         | 4,186       | 152,320   |
| Gross margin               | 39.6 %     |            |               |             | 38.8 %    |
| Operating expenses         |            |            |               |             |           |
| Selling and marketing      | 62,625     | (415)      | 7             | 1,936       | 61,097    |
| General and administrative | 39,554     | (8,986)    | 177           | 784         | 47,579    |
| Research and development   | 17,467     | (669)      |               | 194         | 17,942    |
| Total operating expenses   | 119,646    | (10,070)   | 184           | 2,914       | 126,618   |
| Income from operations     | \$33,107   | \$6,741    | \$ (608 )     | \$ 1,272    | \$25,702  |

See Note 16 to the Consolidated Financial Statements included in Item 1 of Part I of this Quarterly Report on Form 10-Q for additional information on restructuring and related costs. In the fourth quarter of fiscal year 2016, we completed the acquisition of PCB Group, Inc. (PCB). As a result of the PCB acquisition, we incurred certain non-recurring costs during fiscal year 2017 including acquisition integration costs and a fair value adjustment on acquired PCB inventory (PCB acquisition inventory adjustment).

### Revenue

|         | Ended          | ntns             |                        |        | Six Month      | ns Ended           |                        |        |
|---------|----------------|------------------|------------------------|--------|----------------|--------------------|------------------------|--------|
|         | March 31, 2018 | April 1,<br>2017 | Increased (Decrease \$ |        | March 31, 2018 | , April 1,<br>2017 | Increased (Decrease \$ |        |
| Revenue | \$191,323      | \$193,424        | \$(2,101)              | (1.1)% | \$385,485      | \$392,703          | \$(7,218)              | (1.8)% |

Revenue for the three and six months ended March 31, 2018 declined 1.1% and 1.8%, respectively, primarily driven by lower Test revenue, partially offset by growth in our Sensors business and the favorable impact of currency translation. Test revenue decreased \$13,602 and \$26,525, respectively, primarily driven by a decline in equipment volume resulting from lower trailing 12-month order volume in the ground vehicles sector that continues to operate in a rapidly changing environment. Current year Test revenue was also impacted by higher custom project backlog weighting which takes longer to convert to revenue. Sensors revenue increased \$11,958 and \$19,764, respectively, primarily driven by continued momentum from new opportunities in the Sensors test sector, along with continued growth in the Sensors position sector and broad demand across the remaining Sensors sectors. Excluding the impact of currency translation, revenue decreased 6.0% and 5.3%, respectively.

Gross Profit

|              | Three Mon         | ths Ended        |                              | Six Months     | Six Months Ended |                 |       |  |
|--------------|-------------------|------------------|------------------------------|----------------|------------------|-----------------|-------|--|
|              | March 31,<br>2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, 2018 | April 1,<br>2017 | Increa<br>(Decr |       |  |
| Gross profit | \$74,825          | \$78,856         | \$(4,031) (5.1)              | % \$152,753    | \$152,320        | \$433           | 0.3 % |  |
| Gross margin | 39.1 %            | 40.8 %           | (1.7) ppts                   | 39.6 %         | 38.8 %           | 0.8             | ppts  |  |

Gross profit for the three months ended March 31, 2018 declined 5.1% primarily driven by lower Test revenue volume, partially offset by higher Sensors revenue volume. Gross margin rate declined 1.7 percentage points primarily due to the lower contribution from product mix, unfavorable leverage on lower Test revenue volume, the impact of higher warranty expense, and the unfavorable impact of currency translation, partially offset by leverage on increased

Sensors revenue volume. Excluding the impact of currency translation, prior year PCB acquisition integration expenses, and restructuring costs incurred in both fiscal years, gross profit declined 8.9% and the gross margin rate declined 1.3 percentage points.

Gross profit for the six months ended March 31, 2018 increased 0.3% primarily driven by to the prior year impact of the PCB acquisition inventory adjustment of \$7,724 and increased Sensors revenue volume, partially offset by reduced Test revenue volume. Gross margin rate increased 0.8 percentage points primarily due to the prior year impact from the PCB acquisition inventory adjustment and leverage on increased Sensors revenue volume, partially offset by the lower contribution from

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product mix, unfavorable leverage on lower Test revenue volume, the impact of higher warranty expense, and the unfavorable impact of currency translation. Excluding the impact of currency translation, the prior year PCB acquisition inventory adjustment, prior year PCB acquisition integration expenses, and restructuring costs incurred in both fiscal years, gross profit declined 7.4% and the gross margin rate declined 0.9 percentage points. Selling and Marketing Expense

|                       | Three Mon         | ths Ended        |                              | Six Months     |                  |                              |
|-----------------------|-------------------|------------------|------------------------------|----------------|------------------|------------------------------|
|                       | March 31,<br>2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % |
| Selling and marketing | \$30,597          | \$30,627         | \$(30) (0.1)%                | \$62,625       | \$61,097         | \$1,528 2.5%                 |
| % of Revenue          | 16.0 %            | 15.8 %           |                              | 16.2 %         | 15.6 %           |                              |

Selling and marketing expense for the three months ended March 31, 2018 was flat primarily due to lower commission expense in Test and prior year non-recurring China Code of Conduct investigation expenses, offset by the unfavorable impact of currency translation and increased compensation expense in Test and Sensors. Excluding the impact of currency translation, prior year PCB acquisition integration expenses, prior year China investigation expenses, and restructuring costs incurred in both fiscal years, selling and marketing expense decreased 2.4%. Selling and marketing expense for the six months ended March 31, 2018 increased 2.5% primarily driven by the unfavorable impact of currency translation and increased compensation expense in Test and Sensors, partially offset by a decrease in commission expense in Test and prior year China investigation expenses. Excluding the impact of currency translation, prior year PCB acquisition integration expenses, prior year China investigation expenses, and restructuring costs incurred in both fiscal years, selling and marketing expense increased 0.4%. General and Administrative Expense

|                            | Three Mon         | ths Ended        |                              | Six Months Ended  |                  |                              |  |
|----------------------------|-------------------|------------------|------------------------------|-------------------|------------------|------------------------------|--|
|                            | March 31,<br>2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31,<br>2018 | April 1,<br>2017 | Increased / (Decreased) \$ % |  |
| General and administrative | \$18,992          | \$23,556         | \$(4,564) (19.4)%            | \$39,554          | \$47,579         | \$(8,025) (16.9)%            |  |
| % of Revenue               | 9.9 %             | 12.2 %           |                              | 10.3 %            | 12.1 %           |                              |  |

General and administrative expense for the three and six months ended March 31, 2018 declined 19.4% and 16.9%, respectively, primarily due to prior year China investigation expenses of \$6,169 and \$8,145, respectively, and prior year PCB acquisition integration expenses of \$506 and \$2,009, respectively, partially offset by an increase in professional fees, the unfavorable impact of currency translation, and higher bad debt expense in Test. Excluding the impact of currency translation, prior year PCB acquisition integration expenses, prior year China investigation expenses, and restructuring costs incurred in both fiscal years, general and administrative expense increased 9.6% and 3.8%, respectively.

Research and Development Expense

|                          | Three Months<br>Ended |                   |                          |        | Six Months Ended |                  |                              |  |
|--------------------------|-----------------------|-------------------|--------------------------|--------|------------------|------------------|------------------------------|--|
|                          | March 31<br>2018      | ,April 1,<br>2017 | Increas<br>(Decrea<br>\$ |        | March 31, 2018   | April 1,<br>2017 | Increased / (Decreased) \$ % |  |
| Research and development | \$8,626               | \$9,261           | \$(635)                  | (6.9)% | \$17,467         | \$17,942         | \$(475) (2.6)%               |  |
| % of Revenue             | 4.5 %                 | 4.8 %             |                          |        | 4.5 %            | 4.6 %            |                              |  |

Research and development (R&D) expense for the three and six months ended March 31, 2018 declined 6.9% and 2.6%, respectively, primarily due to prior year focused R&D spending to meet certain Test market needs and prior year China investigation expenses, partially offset by continued investment in product development, increased

compensation expense in Sensors, and the unfavorable impact of currency translation. Excluding the impact of currency translation and prior year China investigation expenses, R&D expense decreased 6.2% and 2.6%, respectively.

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**Income from Operations** 

|                        | Three Mon      | ths Ended        |                              | Six Months Ended |                  |                              |  |
|------------------------|----------------|------------------|------------------------------|------------------|------------------|------------------------------|--|
|                        | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, 2018   | April 1,<br>2017 | Increased / (Decreased) \$ % |  |
| Income from operations | \$16,610       | \$15,412         | \$1,198 7.8%                 | \$33,107         | \$25,702         | \$7,405 28.8%                |  |
| % of Revenue           | 8.7 %          | 8.0 %            |                              | 8.6 %            | 6.5 %            |                              |  |

Income from operations for the three months ended March 31, 2018 increased 7.8% primarily due to prior year China investigation expenses of \$6,759 and leverage on volume growth in Sensors, partially offset by the lower gross margin contribution from product mix, unfavorable leverage on lower Test revenue volume and the impact of higher warranty expense. Excluding the impact of currency translation, prior year non-recurring PCB acquisition integration expenses, prior year China investigation expenses, and restructuring costs incurred in both fiscal years, income from operations decreased 31.7%.

Income from operations for the six months ended March 31, 2018 increased 28.8% primarily driven by prior year China investigation expenses of \$8,735, leverage on volume growth in Sensors, prior year impact from the PCB acquisition inventory adjustment, and non-recurring PCB acquisition integration expenses of \$2,378. The increase was partially offset by the lower gross margin contribution from product mix and unfavorable leverage on lower Test revenue volume. Excluding the impact of currency translation, the prior year PCB acquisition inventory adjustment, prior year non-recurring PCB acquisition integration expenses, prior year China investigation expenses, and restructuring costs incurred in both fiscal years, income from operations decreased 28.7%.

Interest Expense, Net

|                       | Three Months |                            |                          | Six Months         |              |                   |                              |        |
|-----------------------|--------------|----------------------------|--------------------------|--------------------|--------------|-------------------|------------------------------|--------|
|                       | Ended        |                            |                          | Ended              |              |                   |                              |        |
|                       | March 2018   | 3 <b>A</b> pril 1,<br>2017 | Increas<br>(Decrea<br>\$ | ed /<br>ased)<br>% | March 3 2018 | 1April 1,<br>2017 | Increased<br>(Decrease<br>\$ |        |
| Interest expense, net | \$6,708      | \$7,418                    | \$(710)                  | (9.6)%             | \$13,512     | \$14,698          | \$(1,186)                    | (8.1)% |

Interest expense, net for the three and six months ended March 31, 2018 decreased primarily due to reduced interest rates on the tranche B term loan facility as a result of the debt repricing completed in the fourth quarter of fiscal year 2017, as well as lower current year average debt outstanding.

Other Income (Expense), Net

|                             | Three Months   |                 | S1x Months            |              |   |
|-----------------------------|----------------|-----------------|-----------------------|--------------|---|
|                             | Ended          |                 | Ended                 |              |   |
|                             | March Artril 1 | Increased /     | Marc <b>A</b> pril 1, | Increased /  |   |
|                             | 2018 2017      | (Decreased)     | 20182017              | (Decreased)  |   |
|                             | 2016 2017      | \$ %            | 20182017              | \$ %         |   |
| Other income (expense), net | \$274 \$ 666   | \$(392) (58.9)% | \$51 \$(163)          | \$214 131.39 | % |

The decrease in other income (expense), net for the three months ended March 31, 2018 was primarily driven by a relative decrease in gains on foreign currency transactions.

The increase in other income (expense), net for the six months ended March 31, 2018 was primarily driven by a relative decrease in losses on foreign currency transactions.

Income Tax Provision (Benefit)

| Three Months<br>Ended        |                         | Six Months Ended |                  |                         |  |  |
|------------------------------|-------------------------|------------------|------------------|-------------------------|--|--|
| March 31, April 1, 2018 2017 | Increased / (Decreased) | March 31, 2018   | April 1,<br>2017 | Increased / (Decreased) |  |  |

|                                |         |         | \$    | %     |            |         | \$         | %          |
|--------------------------------|---------|---------|-------|-------|------------|---------|------------|------------|
| Income tax provision (benefit) | \$1,738 | \$1,461 | \$277 | 19.0% | \$(21,943) | \$1,937 | \$(23,880) | (1,232.8)% |
| Effective tax rate             | 17.1 %  | 16.9 %  |       |       | (111.7)%   | 17.9 %  | ,          |            |

The effective tax rate for the three months ended March 31, 2018 increased primarily due to higher earnings before taxes and a less favorable mix of geographic earnings, partially offset by the lower U.S. corporate tax rate under the Tax Act. Current year earnings in foreign jurisdictions are generally taxed at higher rates relative to domestic earnings as a result of the Tax Act.

The effective tax rate for the six months ended March 31, 2018 decreased primarily due to certain discrete benefits of \$25,378 for the estimated impact of the Tax Act. The discrete benefits primarily related to \$32,264 of estimated benefit from the

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remeasurement of our estimated net deferred tax liabilities, partially offset by \$6,886 of estimated expense associated with the mandatory deemed repatriation tax. Excluding the impact of these discrete benefits, the effective tax rate for the six months ended March 31, 2018 would have been 17.5%, and the decrease in tax rate compared to the prior year was primarily due to the lower U.S. corporate tax rate under the Tax Act.

Net Income

|                            | Three N | Three Months        |             |           |           | Six Months |          |        |  |  |
|----------------------------|---------|---------------------|-------------|-----------|-----------|------------|----------|--------|--|--|
|                            | Ended   | Ended 1             |             |           | Ended     |            |          |        |  |  |
|                            | Marah   | 3 <b>A</b> .pril 1, | Increase    | creased / |           |            | Increase | d /    |  |  |
|                            |         | эжригт,<br>2017     | (Decreased) |           | March 31A | 2017       | (Decreas | sed)   |  |  |
|                            | 2018    | 2017                | \$          | %         | 2018      | 2017       | \$       | %      |  |  |
| Net income                 | \$8,438 | \$7,199             | \$1,239     | 17.2%     | \$41,589  | \$8,904    | \$32,685 | 367.1% |  |  |
| Diluted earnings per share | \$0.44  | \$0.38              | \$0.06      | 15.8%     | \$2.16    | \$0.47     | \$1.69   | 359.6% |  |  |

Net income and diluted earnings per share for the three months ended March 31, 2018 increased due to lower operating expenses, partially offset by a decrease in gross profit.

Net income and diluted earnings per share for the six months ended March 31, 2018 increased due to a reduction in the effective tax rate and discrete benefits stemming from the Tax Act, as well as lower operating expenses and increased gross profit.

Segment Results

**Test Segment** 

**Results of Operations** 

The following table compares results of operations for Test, separately identifying the estimated impact of currency translation and restructuring costs incurred in fiscal year 2018. See Note 15 for additional information on our operating segments.

|                            | Three Mont | Three Months Ended |               |             |           |  |  |  |  |  |
|----------------------------|------------|--------------------|---------------|-------------|-----------|--|--|--|--|--|
|                            |            | Estimated          |               |             |           |  |  |  |  |  |
|                            | March 31,  | Business           | Doctmoturing  | Currency    | April 1,  |  |  |  |  |  |
|                            | 2018       | Change             | Restructuring | Translation | 2017      |  |  |  |  |  |
| Revenue                    | \$110,238  | \$(19,043)         | \$ —          | \$ 5,441    | \$123,840 |  |  |  |  |  |
| Cost of sales              | 76,011     | (7,704)            | 304           | 4,305       | 79,106    |  |  |  |  |  |
| Gross profit               | 34,227     | (11,339)           | (304)         | 1,136       | 44,734    |  |  |  |  |  |
| Gross margin               | 31.0 %     |                    |               |             | 36.1 %    |  |  |  |  |  |
| Operating expenses         |            |                    |               |             |           |  |  |  |  |  |
| Selling and marketing      | 15,959     | (1,954)            | _             | 575         | 17,338    |  |  |  |  |  |
| General and administrative | 10,742     | (5,351)            | 42            | 365         | 15,686    |  |  |  |  |  |
| Research and development   | 4,231      | (1,118)            | _             | 6           | 5,343     |  |  |  |  |  |
| Total operating expenses   | 30,932     | (8,423)            | 42            | 946         | 38,367    |  |  |  |  |  |
| Income from operations     | \$3,295    | \$(2,916)          | \$ (346 )     | \$ 190      | \$6,367   |  |  |  |  |  |

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|                     | Six Months Ended |                        |    |           |    |             |              |                        |                          |   |
|---------------------|------------------|------------------------|----|-----------|----|-------------|--------------|------------------------|--------------------------|---|
|                     |                  |                        |    | Estimate  | d  |             |              |                        |                          |   |
|                     |                  | March 31               | l, | Business  | ,  | Restructur  | ina          | Currency               | April 1,                 |   |
|                     |                  | 2018                   |    | Change    |    | Restructur  | mg           | Translatio             | n 2017                   |   |
| Revenue             |                  | \$228,441              |    | \$(34,245 | 5) | \$ —        |              | \$ 7,720               | \$254,96                 | 6 |
| Cost of sales       |                  | 155,075                |    | (14,942   | )  | 424         |              | 6,195                  | 163,398                  |   |
| Gross profit        |                  | 73,366                 |    | (19,303   | )  | (424        | )            | 1,525                  | 91,568                   |   |
| Gross margin        |                  | 32.1                   | %  |           |    |             |              |                        | 35.9                     | % |
|                     |                  |                        |    |           |    |             |              |                        |                          |   |
| Operating expenses  | 3                |                        |    |           |    |             |              |                        |                          |   |
| Selling and market  | ing              | 33,721                 |    | (1,674    | )  |             |              | 987                    | 34,408                   |   |
| General and admin   | istrative        | 21,833                 |    | (7,481    | )  | 177         |              | 514                    | 28,623                   |   |
| Research and devel  | opment           | 8,908                  |    | (1,558    | )  | _           |              | 12                     | 10,454                   |   |
| Total operating exp | enses            | 64,462                 |    | (10,713   | )  | 177         |              | 1,513                  | 73,485                   |   |
| Income from opera   | tions            | \$8,904                |    | \$(8,590  | )  | \$ (601     | )            | \$ 12                  | \$18,083                 |   |
| Revenue             |                  |                        |    |           |    |             |              |                        |                          |   |
| Three Mo            | onths            |                        |    |           |    | Civ Months  | . En         | dad                    |                          |   |
| Ended               |                  |                        |    |           |    | Six Months  | 5 EII        | ueu                    |                          |   |
| March 31<br>2018    | , April 1, 2017  | Increa<br>(Decre<br>\$ |    |           |    | March 31, A | Apri<br>2017 | <sup>tl 1</sup> , (Dec | eased /<br>ereased)<br>% |   |

Revenue \$110,238 \$123,840 \$(13,602) (11.0)% \$228,441 \$254,966 \$(26,525) (10.4)%

Revenue for the three and six months ended March 31, 2018 decreased 11.0% and 10.4%, respectively, primarily driven by a decline in equipment volume due to lower trailing 12-month order volume resulting from weakness in the ground vehicles sector that continues to operate in a rapidly changing environment. Current year Test revenue was also impacted by higher custom project backlog weighting which takes longer to convert to revenue. This was partially offset by the favorable impact of currency translation and growth in service revenue. Excluding the impact of currency translation, revenue decreased 15.4% and 13.4%, respectively.

Gross Profit

|              | Three Mon         | ths Ended        |                              | Six Months     | s Ended          |                              |
|--------------|-------------------|------------------|------------------------------|----------------|------------------|------------------------------|
|              | March 31,<br>2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % |
| Gross profit | \$34,227          | \$44,734         | \$(10,507) (23.5)%           | \$73,366       | \$91,568         | \$(18,202) (19.9)%           |
| Gross margin | 31.0 %            | 36.1 %           | (5.1 ) ppts                  | 32.1 %         | 35.9 %           | (3.8 ) ppts                  |

Gross profit for the three months ended March 31, 2018 declined 23.5% primarily due to lower revenue volume. Gross margin rate declined 5.1 percentage points primarily driven by the lower contribution from product mix, unfavorable leverage on lower revenue volume, the impact of higher warranty expense, the unfavorable impact of currency translation, and current year restructuring costs. The decrease was partially offset by prior year costs to commence our lean initiative. Excluding the impact of currency translation and current year restructuring costs, gross profit declined 25.3% and gross margin rate declined 4.2 percentage points.

Gross profit for the six months ended March 31, 2018 declined 19.9% primarily due to lower revenue volume. Gross margin rate declined 3.8 percentage points primarily driven by the lower contribution from product mix, the unfavorable impact of currency translation, and unfavorable leverage on lower revenue volume. Excluding the impact of currency translation and current year restructuring costs, gross profit declined 21.1% and gross margin rate declined 3.2 percentage points.

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Selling and Marketing Expense

|                       | Three Mor      | ths Ended        |                              | Six Months Ended |                  |                              |  |
|-----------------------|----------------|------------------|------------------------------|------------------|------------------|------------------------------|--|
|                       | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, 2018   | April 1,<br>2017 | Increased / (Decreased) \$ % |  |
| Selling and marketing | \$15,959       | \$17,338         | \$(1,379) (8.0)%             | \$33,721         | \$34,408         | \$(687) (2.0)%               |  |
| % of Revenue          | 14.5 %         | 14.0 %           |                              | 14.8 %           | 13.5 %           |                              |  |

Selling and marketing expense for the three and six months ended March 31, 2018 declined 8.0% and 2.0%, respectively, primarily due to a decrease in commission expense and prior year China investigation expenses, partially offset by the unfavorable impact of currency translation. Excluding the impact of currency translation and prior year China investigation expenses, selling and marketing expense decreased 9.3% and 3.8%, respectively.

General and Administrative Expense

|                            | Three Mon      | ths Ended        | Six Months Ended             |                |                  |                              |  |  |  |
|----------------------------|----------------|------------------|------------------------------|----------------|------------------|------------------------------|--|--|--|
|                            | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % |  |  |  |
| General and administrative | \$10,742       | \$15,686         | \$(4,944) (31.5)%            | \$21,833       | \$28,623         | \$(6,790) (23.7)%            |  |  |  |
| % of Revenue               | 9.7 %          | 12.7 %           |                              | 9.6 %          | 11.2 %           |                              |  |  |  |

General and administrative expense for the three and six months ended March 31, 2018 declined 31.5% and 23.7%, respectively, primarily due to prior year China investigation expenses of \$6,169 and \$8,145, respectively. The decrease was partially offset by higher bad debt expense and the unfavorable impact of currency translation. Excluding the impact of currency translation, prior year China investigation expenses, and current year restructuring costs, general and administrative expense increased 8.6% and 3.2%, respectively.

Research and Development Expense

|                          | Three Mo<br>Ended | onths             |                              | Six Mont         | hs Ended          |                        |         |
|--------------------------|-------------------|-------------------|------------------------------|------------------|-------------------|------------------------|---------|
|                          | March 31 2018     | ,April 1,<br>2017 | Increased / (Decreased) \$ % | March 31<br>2018 | ,April 1,<br>2017 | Increased / (Decrea \$ |         |
| Research and development | \$4,231           | \$5,343           | \$(1,112) (20.8)%            | \$8,908          | \$10,454          | \$(1,546)              | (14.8)% |
| % of Revenue             | 3.8 %             | 4.3 %             |                              | 3.9 %            | 4.1 %             |                        |         |

R&D expense for the three and six months ended March 31, 2018 declined 20.8% and 14.8%, respectively, primarily due to prior year focused R&D spending to meet certain Test market needs and prior year China investigation expenses. Excluding the impact of currency translation and prior year China investigation expenses, R&D expense decreased 17.8% and 13.2%, respectively.

**Income from Operations** 

|                        | Three Mo<br>Ended | onths             |                              | Six Months Ended                |                              |
|------------------------|-------------------|-------------------|------------------------------|---------------------------------|------------------------------|
|                        | March 31<br>2018  | ,April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, April 1,<br>2018 2017 | Increased / (Decreased) \$ % |
| Income from operations | \$3,295           | \$6,367           | \$(3,072) (48.2)%            | \$8,904 \$18,083                | \$(9,179) (50.8)%            |
| % of Revenue           | 3.0 %             | 5.1 %             |                              | 3.9 % 7.1 %                     | )                            |

Income from operations for the three and six months ended March 31, 2018 declined by 48.2% and 50.8%, respectively, primarily due to the decrease in gross profit driven by lower equipment order volume in the first half of fiscal year 2017 and the lower contribution from product mix. The decrease was partially offset by prior year China investigation expenses of \$6,759 and \$8,735, respectively, lower commission expense, and prior year focused R&D spending to meet certain market needs. Excluding the impact of currency translation, prior year China investigation

expenses and current year restructuring costs, income from operations decreased 73.7% and 64.6%, respectively.

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### Sensors Segment

**Results of Operations** 

The following table compares results of operations for Sensors, separately identifying the estimated impact of currency translation and restructuring costs incurred in fiscal year 2018. See Note 15 for additional information on our operating segments.

|            |              |           |     | I nree Mon  | itns Enc | iea   |       |         |                |            |            |        |     |    |
|------------|--------------|-----------|-----|-------------|----------|-------|-------|---------|----------------|------------|------------|--------|-----|----|
|            |              |           |     |             | Estima   | ted   |       |         |                |            |            |        |     |    |
|            |              |           |     | March 31,   | Busine   | ss.   | oten  | oturin  | <sub>c</sub> C | urrency    | Ap         | ril 1, |     |    |
|            |              |           |     | 2018        | Chang    | e Ke  | Siru  | Ctullii | g T            | ranslation | 20         | 17     |     |    |
| Revenue    |              |           |     | \$81,542    | \$7,836  | \$    |       |         | \$             | 4,122      | \$6        | 9,584  |     |    |
| Cost of sa | ales         |           |     | 40,922      | 3,160    | _     |       |         | 2              | ,300       | 35,        | 462    |     |    |
| Gross pro  | ofit         |           |     | 40,620      | 4,676    | _     |       |         | 1.             | ,822       | 34,        | 122    |     |    |
| Gross ma   |              |           |     | 49.8 %      | ,        |       |       |         |                | •          | 49.        | 0      | %   |    |
|            | C            |           |     |             |          |       |       |         |                |            |            |        |     |    |
| Operating  | g expenses   | <b>,</b>  |     |             |          |       |       |         |                |            |            |        |     |    |
|            | nd marketi   |           |     | 14,638      | 717      | 16    |       |         | 6              | 16         | 13.        | 289    |     |    |
| •          | and admini   | _         |     | 8,250       | 200      |       |       |         | 1              | 80         | 7,8        |        |     |    |
|            | and devel    |           |     | 4,395       | 355      | _     |       |         |                | 22         | 3,9        |        |     |    |
|            | erating exp  |           |     | 27,283      | 1,272    | 16    |       |         |                | 18         | -          | 077    |     |    |
| _          | loss) from   |           | ns  | \$13,337    | \$3,404  | _     | (16   | )       |                | 904        |            | ,045   |     |    |
| income (   | 1055) 110111 | орегино   | 110 | Ψ10,007     | Ψ5,.0    | Ψ     | (10   | ,       | Ψ              | , , ,      | Ψ          | ,0 .0  |     |    |
|            |              |           |     | Six Months  | s Ended  |       |       |         |                |            |            |        |     |    |
|            |              |           |     | OIX WIOILII | Estin    |       | ı     |         |                |            |            |        |     |    |
|            |              |           |     | March 31,   | Busir    |       |       |         |                | Currenc    | <b>X</b> / | Apri   | 1 1 |    |
|            |              |           |     | 2018        | Chan     |       | Res   | structi | ırin           | Translat   | •          | -      |     |    |
| Revenue    |              |           |     | \$157,501   | \$13,7   | _     | \$    |         |                | \$ 5,978   |            | \$137  |     | 7  |
| Cost of sa | 0100         |           |     |             |          |       |       | _       |                |            |            |        |     | /  |
|            |              |           |     | 78,092      | (2,21    |       |       |         |                | 3,317      |            | 76,9   |     |    |
| Gross pro  |              |           |     | 79,409      | 15,99    | О     |       |         |                | 2,661      |            | 60,7   | 32  | 01 |
| Gross ma   | ırgın        |           |     | 50.4        | o        |       |       |         |                |            |            | 44.1   |     | %  |
| 0          |              |           |     |             |          |       |       |         |                |            |            |        |     |    |
| _          | g expenses   |           |     | 20.004      | 1.050    |       | 7     |         |                | 0.40       |            | 26.6   | 00  |    |
| _          | nd marketi   | •         |     | 28,904      | 1,259    |       | 7     |         |                | 949        |            | 26,6   |     |    |
|            | and admini   |           |     | 17,721      | (1,50)   | 5)    | _     |         |                | 270        |            | 18,9   |     |    |
|            | and devel    | _         |     | 8,559       | 889      |       | _     |         |                | 182        |            | 7,48   |     |    |
| •          | erating exp  |           |     | 55,184      | 643      |       | 7     |         |                | 1,401      |            | 53,1   |     |    |
| Income (   | loss) from   | operatio  | ns  | \$24,225    | \$15,3   | 353   | \$    | (7      | )              | \$ 1,260   |            | \$7,6  | 19  |    |
| Revenue    |              |           |     |             |          |       |       |         |                |            |            |        |     |    |
|            | Three Mo     | onths     |     |             | Civ l    | Mon   | the I | Ended   |                |            |            |        |     |    |
|            | Ended        |           |     |             | SIX      | VIUII | uis I | Liiueu  | -              |            |            |        |     |    |
|            | Monch 21     | A mai 1 1 | Inc | reased      | N/a      | ah 2  | 1 A   | :1 1    | I              | ncreased / |            |        |     |    |
|            | March 31     | _         | /(D | ecreased)   |          |       |       | pril 1, | (              | Decreased  | <b>l</b> ) |        |     |    |
|            | 2018         | 2017      | \$  | %           | 2018     | •     | 20    | )17     | \$             | 5 %        | ,          |        |     |    |
|            |              |           |     |             |          |       |       |         |                |            |            |        |     |    |

Three Months Ended

Revenue \$81,542 \$69,584 \$11,958 17.2% \$157,501 \$137,737 \$19,764 14.3%

Revenue for the three months ended March 31, 2018 increased 17.2% primarily driven by the favorable impact of currency translation, continued momentum from new revenue opportunities in the Sensors test sector, along with continued growth in the Sensors position sector and broad demand across the remaining Sensors sectors. Excluding the impact of currency translation, revenue increased 11.3%.

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Revenue for the six months ended March 31, 2018 increased 14.3% primarily driven by continued momentum from new revenue opportunities in the Sensors test sector, along with continued growth in the Sensors position sector and broad demand across the remaining Sensors sectors and the favorable impact of currency translation. Excluding the impact of currency translation, revenue increased 10.0%.

Gross Profit

|              | Three Mon         | ths Ended        | Six Months Ended          |       |                  |    |                  |   |                              |       |  |
|--------------|-------------------|------------------|---------------------------|-------|------------------|----|------------------|---|------------------------------|-------|--|
|              | March 31,<br>2018 | April 1,<br>2017 | Increase<br>(Decrea<br>\$ |       | March 31<br>2018 | Ι, | April 1,<br>2017 |   | Increased<br>(Decrease<br>\$ |       |  |
| Gross profit | \$40,620          | \$34,122         | \$6,498                   | 19.0% | \$79,409         |    | \$60,752         |   | \$18,657                     | 30.7% |  |
| Gross margin | 49.8 %            | 49.0 %           | 0.8                       | ppts  | 50.4             | %  | 44.1             | % | 6.3                          | ppts  |  |

Gross profit for the three months ended March 31, 2018 increased 19.0% primarily due to increased revenue volume and the favorable impact of currency translation. Gross margin rate increased 0.8 percentage points primarily driven by favorable leverage on increased revenue volume, partially offset by the unfavorable impact of currency translation and the lower gross margin contribution from product mix. Excluding the impact of currency translation, prior year non-recurring PCB acquisition integration expenses, and prior year restructuring costs, gross profit increased 12.5% and the gross margin rate increased 0.6 percentage points.

Gross profit for the six months ended March 31, 2018 increased 30.7% primarily due to increased revenue volume, the prior year PCB acquisition inventory adjustment of \$7,724, the favorable impact of currency translation, and prior year restructuring costs. Gross margin rate increased 6.3 percentage points primarily driven by the prior year PCB acquisition inventory adjustment, favorable leverage on increased revenue volume, and prior year restructuring costs, partially offset by the lower gross margin contribution from product mix. Excluding the impact of currency translation, the prior year PCB acquisition inventory adjustment, prior year non-recurring PCB acquisition integration expenses, and prior year restructuring costs, gross profit increased 10.8% and the gross margin rate increased 0.4 percentage points.

Selling and Marketing Expense

|                       | Three Mor      | ths Ended        |                              |                |                  |                              |
|-----------------------|----------------|------------------|------------------------------|----------------|------------------|------------------------------|
|                       | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % | March 31, 2018 | April 1,<br>2017 | Increased / (Decreased) \$ % |
| Selling and marketing | \$14,638       | \$13,289         | \$1,349 10.                  | 2% \$28,904    | \$26,689         | \$2,215 8.3%                 |
| % of Revenue          | 18.0 %         | 19.1 %           |                              | 18.4 %         | 19.4 %           |                              |

Selling and marketing expense for the three and six months ended March 31, 2018 increased 10.2% and 8.3%, respectively, primarily driven by increased compensation expense, the unfavorable impact of currency translation and increased commission expense on higher revenue volume. Excluding the impact of currency translation, prior year PCB acquisition integration expenses, and restructuring costs incurred in both years, selling and marketing expense increased 6.4% and 5.9%, respectively.

General and Administrative Expense

|                            | Three Mo<br>Ended |                   |                 | s Ended           |                |                  |                        |        |
|----------------------------|-------------------|-------------------|-----------------|-------------------|----------------|------------------|------------------------|--------|
|                            | March 31 2018     | ,April 1,<br>2017 | Increa<br>(Decr | eased /<br>eased) | March 31, 2018 | April 1,<br>2017 | Increased (Decrease \$ |        |
| General and administrative | \$8,250           | \$7,870           | \$380           | 4.8 %             | \$17,721       | \$18,956         | \$(1,235)              | (6.5)% |
| % of Revenue               | 10.1 %            | 11.3 %            |                 |                   | 11.3 %         | 13.8 %           |                        |        |

General and administrative expense for the three months ended March 31, 2018 increased 4.8% primarily driven by an increase in professional fees and the unfavorable impact of currency translation. The increase was partially offset by

prior year PCB acquisition integration expenses of \$506. Excluding the impact of currency translation, prior year PCB acquisition integration expenses and prior year restructuring costs, general and administrative expense increased 10.8%.

General and administrative expense for the six months ended March 31, 2018 decreased 6.5% primarily driven by prior year PCB acquisition integration expenses of \$2,009 and prior year restructuring costs, partially offset by an increase in professional fees. Excluding the impact of currency translation, prior year PCB acquisition integration expenses and prior year restructuring costs, general and administrative expense increased 4.4%.

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Research and Development Expense

|                          | Three Mo<br>Ended | onths             |                              | Six Mont         | hs Ended          |                           |       |
|--------------------------|-------------------|-------------------|------------------------------|------------------|-------------------|---------------------------|-------|
|                          | March 31<br>2018  | ,April 1,<br>2017 | Increased / (Decreased) \$ % | March 31<br>2018 | ,April 1,<br>2017 | Increase<br>(Decrea<br>\$ |       |
| Research and development | \$4,395           | \$3,918           | \$477 12.2%                  | \$8,559          | \$7,488           | \$1,071                   | 14.3% |
| % of Revenue             | 5.4 %             | 5.6 %             |                              | 5.4 %            | 5.4 %             |                           |       |

R&D expense for the three and six months ended March 31, 2018 increased 12.2% and 14.3%, respectively, primarily driven by continued investment in product development, increased compensation expense, and the unfavorable impact of currency translation. Excluding the impact of currency translation, R&D expense increased 9.1% and 11.9%, respectively.

**Income from Operations** 

| _                      | Three Mon         | hree Months Ended |                              |                   | s Ended          |                              |
|------------------------|-------------------|-------------------|------------------------------|-------------------|------------------|------------------------------|
|                        | March 31,<br>2018 | April 1,<br>2017  | Increased / (Decreased) \$ % | March 31,<br>2018 | April 1,<br>2017 | Increased / (Decreased) \$ % |
| Income from operations | \$13,337          | \$9,045           | \$4,292 47.5%                | \$24,225          | \$7,619          | \$16,606 218.0%              |
| % of Revenue           | 16.4 %            | 13.0 %            |                              | 15.4 %            | 5.5 %            |                              |

Income from operations for the three months ended March 31, 2018 increased \$4,292 primarily due leverage on increased revenue volume, the favorable impact of currency translation and prior year PCB acquisition integrations expenses of \$690. The increase was partially offset by higher compensation and commission expense and increased professional fees. Excluding the impact of currency translation, prior year PCB acquisition integration expenses, and restructuring costs incurred in both fiscal years, income from operations increased 23.1%.

Income from operations for the six months ended March 31, 2018 increased \$16,606 primarily driven by leverage on increased revenue volume, the prior year PCB acquisition inventory adjustment, prior year PCB acquisition integration expenses of \$2,378, the favorable impact of currency translation and prior year restructuring costs. The increase was partially offset by higher compensation and commission expense and increased professional fees. Excluding the impact of currency translation, the prior year PCB acquisition inventory adjustment, prior year PCB acquisition integration expenses, and restructuring costs incurred in both fiscal years, income from operations increased 23.1%.

# Cash Flow Comparison

The following table summarizes our cash flows from total operations:

|  | Six Months Ended   |          |  |
|--|--------------------|----------|--|
|  | March 31, April 1, |          |  |
|  | 2018               | 2017     |  |
| Total cash provided by (used in):                      |                    |          |  |
| Operating activities                                   | \$37,258           | \$41,217 |  |
| Investing activities                                   | (4,476)            | (9,293)  |  |
| Financing activities                                   | (61,126)           | (16,497) |  |
| Effect of exchange rate changes on cash                | 3,989              | (2,774)  |  |
| Increase (decrease) during the period                  | (24,355)           | 12,653   |  |
| Cash and cash equivalents balance, beginning of period | 108,733            | 84,780   |  |
| Cash and cash equivalents balance, end of period       | \$84,378           | \$97,433 |  |

### **Operating Activities**

The decrease in cash provided by operating activities was primarily due to a decrease in working capital associated with timing fluctuations from inventory payments, advanced payments from customers, accounts receivable payments

received, unbilled accounts receivable accruals and billings, and accounts payable payments. Timing of payroll-related payments also contributed to the decrease in cash provided by operating activities. This decrease in cash provided by operating activities was partially offset by a decrease in cash used by other assets and liabilities primarily driven by an increase in income taxes payable, as well as an increase in net income offset by a decrease in deferred income taxes due to the remeasurement of our estimated deferred tax liabilities as a result of the Tax Act.

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**Investing Activities** 

The decrease in cash used in investing activities was primarily due to the timing of investments in property and equipment in the current year.

Financing Activities

The increase in cash used in financing activities was primarily due to the annual required excess cash flow payment and planned prepayments on the tranche B term loan made in fiscal year 2018.

Liquidity and Capital Resources

We had cash and cash equivalents of \$84,378 as of March 31, 2018. Of this amount, \$14,177 was located in North America, \$23,140 in Europe and \$47,061 in Asia. Repatriation of certain foreign earnings is restricted by local law. The North American balance was primarily invested in bank deposits. The balances in Europe and Asia were primarily invested in money market funds and bank deposits. In accordance with our investment policy, we place cash equivalent investments with issuers who have high-quality investment credit ratings. In addition, we limit the amount of investment exposure we have with any particular issuer. Our investment objectives are to preserve principal, maintain liquidity and achieve the best available return consistent with our primary objectives of safety and liquidity. As of March 31, 2018, we held no short-term investments.

As a result of the transition tax related to the enactment of the Tax Act, we repatriated a portion of the cash held in our foreign subsidiaries without such funds being subject to additional federal income tax liability during the six months ended March 31, 2018. We are currently evaluating repatriation of any additional funds held by certain of our foreign subsidiaries, including whether to utilize such funds for repayment of debt.

As of March 31, 2018, our capital structure was comprised of \$57,269 in short-term debt, \$366,660 in long-term debt and \$472,230 in shareholders' equity. The Consolidated Balance Sheets also included \$14,196 of unamortized debt issuance costs as of March 31, 2018. Total interest-bearing debt at March 31, 2018 was \$423,929. We have a credit agreement with a consortium of financial institutions (the Credit Agreement) which provides for senior secured credit facilities consisting of a Revolving Credit Facility and a Term Facility. The maturity date of the Revolving Credit Facility is July 5, 2021 and the maturity date of the loans under the Term Facility is July 5, 2023, unless a term loan lender agrees to extend the maturity date pursuant to a loan modification agreement made in accordance with the terms of the Credit Agreement.

The Credit Agreement also requires mandatory prepayments on our Term Facility in certain circumstances, including the potential for a required prepayment of a certain percentage of our excess cash flow for each fiscal year, beginning with fiscal year 2017.

Under the Credit Agreement, we are subject to customary affirmative and negative covenants, including, among others, restrictions on our ability to incur debt, create liens, dispose of assets, make investments, loans, advances, guarantees and acquisitions, enter into transactions with affiliates, and enter into any restrictive agreements and customary events of default (including payment defaults, covenant defaults, change of control defaults and bankruptcy defaults). The Credit Agreement also contains financial covenants, including the ratio of consolidated total indebtedness to adjusted consolidated earnings before interest, taxes, depreciation and amortization (Adjusted EBITDA), as defined in the Credit Agreement, as well as the ratio of Adjusted EBITDA to consolidated interest expense. These covenants restrict our ability to pay dividends and purchase outstanding shares of common stock. As of March 31, 2018 and September 30, 2017, we were in compliance with these financial covenants. See Note 8 for additional information on debt instruments.

Shareholders' equity increased by \$43,453 during the six months ended March 31, 2018 primarily due to \$41,589 net income, \$9,378 other comprehensive income and \$3,178 stock-based compensation, partially offset by \$10,680 dividends declared. As of March 31, 2018, we believe our current capital resources will be sufficient to fund working capital requirements, capital expenditures and operations for the foreseeable future, including at least the next twelve months.

### Off-balance Sheet Arrangements

As of March 31, 2018, we did not have any off-balance sheet arrangements that have, or are reasonably likely to have, a current or future material effect on our financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.

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### **Critical Accounting Policies**

The Consolidated Financial Statements have been prepared in accordance with GAAP, which require us to make estimates and assumptions in certain circumstances that affect amounts reported. The preparation of these financial statements requires us to make estimates and assumptions, giving due consideration to materiality, that affect the reported amounts of assets and liabilities, revenues and expenses and related disclosures of any contingent assets and liabilities at the date of the financial statements. We regularly review our estimates and assumptions, which are based on historical experience and on various other factors that are 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 may differ from these estimates under different assumptions or conditions. For further information, see "Summary of Significant Accounting Policies" under Note 1 to the Consolidated Financial Statements included in Item 8 of our Annual Report on Form 10-K for the fiscal year ended September 30, 2017.

Recently Issued Accounting Pronouncements

Information regarding new accounting pronouncements is included in Note 2 to the Consolidated Financial Statements included in Item 1 of Part I of this Quarterly Report on Form 10-Q.

Other Matters

Dividends

Our dividend policy is to maintain a payout ratio that allows dividends to increase in conjunction with the long-term growth of earnings per share, while sustaining dividends through economic cycles. Our dividend practice is to target, over time, a payout ratio of approximately 25% of net earnings per share. We have historically paid dividends to holders of our common stock on a quarterly basis. The declaration and payment of future dividends will depend on many factors, including, but not limited to, our earnings, financial condition, debt repayment obligations, business developments needs and regulatory consideration, and are at the discretion of our Board of Directors. Forward-looking Statements

Statements contained in this Quarterly Report on Form 10-O including, but not limited to, the discussion under Item 2, Management's Discussion and Analysis of Financial Condition and Results of Operations, that are not statements of historical fact are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 (the Act). In addition, certain statements in our future filings with the SEC, in press releases, and in oral and written statements made by us or with our approval that are not statements of historical fact constitute forward-looking statements within the meaning of the Act. Examples of forward-looking statements include, but are not limited to: (i) projections of revenue, ROIC, EBITDA, net income or loss, earnings or loss per share, the payment or nonpayment of dividends, capital structure, the adequacy of our liquidity and reserves, the anticipated level of expenditures required and other statements concerning future financial performance; (ii) statements of our plans and objectives by our management or Board of Directors, including those relating to products or services, merger or acquisition activity and the potential impact of newly acquired businesses; (iii) statements of assumptions underlying such statements; (iv) statements regarding business relationships with vendors, customers or collaborators or statements relating to our order cancellation history, our ability to convert our backlog of undelivered orders into revenue, the timing of purchases, competitive advantages and growth in end markets; (v) statements regarding our ability to report additional operating segments, to raise capital in a timely manner or to compete acquisitions in the future; (vi) statements regarding products, their characteristics, fluctuations in the costs of raw materials for products, our geographic footprint, performance, sales potential or effect in the hands of customers; and (vii) statements regarding the estimated tax benefits we may receive under the Tax Act and our expectations concerning recorded adjustments. Words such as "believes," "anticipates," "expects," "intends," "targeted," "should," "potential," "goals," "strategy," and similar expressions are intended to identify forward-looking statements, but are not the exclusive means of identifying such statements.

Forward-looking statements involve risks and uncertainties that may cause actual results to differ materially from those in such statements. Factors that could cause actual results to differ from those discussed in the forward-looking statements include, but are not limited to, those described in Item 1A of Part I of our Annual Report on Form 10-K for the fiscal year ended September 30, 2017 and in Item 1A of Part II of this Current Report on Form 10-Q. The

performance of our business and our securities may be adversely affected by these factors and by other factors common to other businesses and investments, or to the general economy. Forward-looking statements are qualified by some or all of these risk factors. Therefore, you should consider these forward-looking statements with caution and form your own critical and independent conclusions about the likely effect of these risk factors on our future performance. Forward-looking statements speak only as of the date on which statements are made, and we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made to reflect the occurrence of unanticipated events or circumstances. Readers should carefully review the disclosures and the risk factors described in our Annual Report on Form 10-K for the fiscal year ended September 30, 2017 and other documents we file from time to time with the SEC, including our reports on Forms 10-Q and 8-K.

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Item 3. Quantitative and Qualitative Disclosures About Market Risk

Foreign Currency Exchange Risk

Approximately 70% of our revenue has historically been derived from customers outside of the U.S. Our international subsidiaries have functional currencies other than our U.S. dollar reporting currency and, occasionally, transact business in currencies other than their functional currencies. These non-functional currency transactions expose us to market risk on assets, liabilities and cash flows recognized on these transactions.

The strengthening of the U.S. dollar relative to foreign currencies decreases the value of foreign currency-denominated revenue and earnings when translated into U.S. dollars resulting in an unfavorable currency translation impact on revenue and earnings. Conversely, a weakening of the U.S. dollar increases the value of foreign currency-denominated revenue and earnings resulting in a favorable currency translation impact on revenue and earnings.

A hypothetical 10% appreciation or depreciation in foreign currencies against the U.S. dollar, assuming all other variables are held constant, would result in an increase or decrease in revenue of approximately \$15,023 for the six months ended March 31, 2018.

We have operational procedures to mitigate these non-functional currency exposures. We also utilize foreign currency exchange contracts to exchange currencies at set exchange rates on future dates to offset expected gains or losses on specifically identified exposures.

Mark-to-market gains and losses on derivatives designated as cash flow hedges in our currency hedging program are recorded within accumulated other comprehensive income (loss) in the Consolidated Balance Sheets. We recognize gains and losses associated with the fair value of cash flow hedges at the time a gain or loss is recognized on the hedged exposure in the Consolidated Statements of Income or at the time the cash flow hedge is determined to be ineffective. The associated mark-to-market gains and losses are reclassified from accumulated other comprehensive income (loss) to the same line item in the Consolidated Statements of Income in which the underlying hedged transaction is reported. Net gains and losses on foreign currency transactions, included in the accompanying Consolidated Statements of Income, were net losses of \$642 and \$1,245 in the six months ended March 31, 2018 and April 1, 2017, respectively. See Note 7 to the Consolidated Financial Statements included in Item 1 of Part I of this Quarterly Report on Form 10-Q for additional information on our cash flow hedge currency exchange contracts. Interest Rates

We are directly exposed to changes in market interest rates on cash, cash equivalents, short-term investments and long-term debt, and are indirectly exposed to the impact of market interest rates on overall business activity. On floating-rate investments, increases and decreases in market interest rates will increase or decrease future interest income, respectively. On floating-rate debt, increases or decreases in market interest rates will increase or decrease future interest expense, respectively. On fixed-rate investments, increases or decreases in market interest rates do not impact future interest income but may decrease or increase the fair market value of the investments, respectively. On fixed-rate debt, increases or decreases in market interest rates do not impact future interest expense but may decrease or increase the fair market value of the debt, respectively.

As of March 31, 2018, we had cash and cash equivalents of \$84,378, some of which was invested in interest-bearing bank deposits or money market funds. The interest-bearing bank deposits and money market funds have interest rates that reset every 1 to 89 days and generate interest income that will vary based on changes in short-term interest rates. A hypothetical decrease of 100 basis points in market interest rates, assuming all other variables were held constant, would decrease interest income by approximately \$131 for the six months ended March 31, 2018.

Secured floating rate credit facilities require interest payments to be calculated at a floating rate and are therefore impacted by increases or decreases in market interest rates. We have swapped a portion of our floating-rate debt to a fixed-rate such that the interest expense on this debt will not vary with changes in short-term interest rates. See Note 7 to the Consolidated Financial Statements included in Item 1 of Part I of this Quarterly Report on Form 10-Q for information on our interest rate swaps. A hypothetical increase of 100 basis points in floating interest rates, assuming all other variables were held constant, would result in an approximately \$1,512 increase in future annual interest expense.

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#### Item 4. Controls and Procedures

Our management, including our Chief Executive Officer and Chief Financial Officer, have conducted an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as amended (the Exchange Act)), as of March 31, 2018. Based on that evaluation, our Chief Executive Officer and Chief Financial Officer concluded that, as of March 31, 2018, our disclosure controls and procedures were effective.

There were no changes in the Company's internal control over financial reporting during the second quarter of fiscal year 2018 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

### PART II - OTHER INFORMATION

### Item 1. Legal Proceedings

We are or may be involved in various legal proceedings from time-to-time arising from the normal course of business. We are not presently a party to any litigation the outcome of which we believe, if determined adversely to us, would individually or taken together have a material adverse effect on our business, operating results, cash flows or financial condition.

### Item 1A. Risk Factors

A discussion of our risk factors can be found in Item 1A of Part I of our Annual Report on Form 10-K for the fiscal year ended September 30, 2017. The information below includes additional risks relating to the transfer of certain Test segment production operations in China to a contract manufacturing partner and the enactment of U.S. federal income tax legislation, the Tax Cuts and Jobs Act (the Tax Act). The risks described below and in our Annual Report on Form 10-K are not the only risks we face. Additional risks not currently known to us, or that we currently deem to be immaterial, may also adversely affect our business, financial condition or results of operations in future periods. The transfer of certain Test production operations in China to our new contract manufacturing partner may be subject to delays, increased costs or other unanticipated consequences.

On March 13, 2018, we announced workforce reductions and manufacturing facility closures in our Test segment corresponding to the transfer of certain production operations in China to a contract manufacturing partner. These changes are designed to increase organizational effectiveness, gain manufacturing efficiencies and provide cost savings that can be reinvested in growth initiatives. We can make no assurances that our current estimates of costs and timing of this restructuring action will be accurate or that additional costs will not be incurred as we continue the restructuring action. Any differences from our current estimates could be material and could adversely impact our business, financial condition and results of operations through delays in our timeline or increased costs. For further information on restructuring actions, see Note 16 to the Consolidated Financial Statements in Item 1 of Part I of this Quarterly Report on Form 10-Q.

While we believe our China contract manufacturing partner to be qualified to manufacture our Test segment products, we may need to address short-term quality and delivery issues. We have not previously used contract manufacturing partners on a large scale. Significant quality or delivery schedule concerns and unforeseen costs might adversely affect our relationships with customers and our overall business, financial condition or results of operations.

The final impacts of the Tax Cuts and Jobs Act could be materially different from our current estimates. The Tax Act was signed into law on December 22, 2017. The new law made numerous changes to U.S. federal corporate tax law and is expected to reduce our effective tax rate for fiscal year 2018 and future periods. Effective January 1, 2018, the Tax Act lowers the U.S. corporate tax rate from 35% to 21% and prompts various other changes to U.S. federal corporate tax law, including the establishment of a territorial-style system for taxing foreign-source income of domestic multinational corporations. The tax benefit recorded for the six months ended March 31, 2018 involves significant judgment and assumptions as to the impact of the Tax Act. Our estimated impact of the new law is based on management's current knowledge and assumptions. Recognized impacts could be materially different from current estimates based on our actual results in fiscal year 2018. We expect to record any adjustments within one year of the enactment of the Tax Act in accordance with the guidance provided in Accounting Standards Update No. 2018-05, Income Taxes (Topic 740): Amendments to SEC Paragraphs Pursuant to SEC Staff Accounting Bulletin No.

118 (SAB 118), and these adjustments could be material. The full impact of the Tax Act on our business, operations and financial statements cannot be predicted at this time, and we make no assurances in this regard.

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Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

The following table presents repurchases of our equity securities we made during the fiscal quarter ended March 31, 2018:

Maximum

|                                      |                |              |              | Maxilliulli |
|--------------------------------------|----------------|--------------|--------------|-------------|
|                                      |                |              | Total Number | Number of   |
|                                      | Total Number F | Average      | of Shares    | Shares      |
|                                      |                |              | Purchased as | that May    |
|                                      |                | Paid         | Part of      | Yet         |
|                                      |                |              | Publicly     | be          |
|                                      | Purchased      | per<br>Share | Announced    | Purchased   |
|                                      |                | Share        | Plans or     | Under the   |
|                                      |                |              | Programs     | Plans or    |
|                                      |                |              |              | Programs    |
| December 31, 2017 - February 3, 2018 | _              | \$ -         |              | 438         |
| February 4, 2018 - March 3, 2018     | _              | \$ -         |              | 438         |
| March 4, 2018 - March 31, 2018       |                | \$ -         |              | 438         |
| Total                                |                | \$ -         |              |             |

We purchase common stock from time-to-time to mitigate dilution related to new shares issued as equity for employee compensation such as stock options, restricted stock units, performance restricted stock units and employee stock purchase plan activity, as well as to return to shareholders capital not immediately required to fund ongoing operations.

# Share Purchase Plan

Our Board of Directors approved, and on February 11, 2011 announced, a 2,000 share purchase authorization. Authority over pricing and timing under the authorization has been delegated to management. The share purchase authorization has no expiration date. We made no share purchases during the second quarter of fiscal year 2018. As of March 31, 2018, there were 438 shares available for purchase under the existing authorization.

# Capped Calls

In connection with the pricing of the TEUs sold in our public offering in fiscal year 2016, we purchased capped calls from third party banking institutions (Capped Calls) for \$7,935. During the second quarter of fiscal year 2018, we did not settle any of the Capped Calls. As of March 31, 2018 the range of shares of our common stock to be received under the outstanding Capped Calls was 0 to 293 shares, subject to market conditions. See Note 12 to the Consolidated Financial Statements included in Part I of this Quarterly Report on Form 10-Q for additional information on our equity instruments.

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| Item 6. Exh<br>Exhibit<br>Number | Description Description  |
|----------------------------------|--|
| 31.1                             | <u>Certification of the Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith).</u>  |
| 31.2                             | Certification of the Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 (filed herewith).   |
| 32.1                             | Certification of the Chief Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (filed herewith).   |
| 32.2                             | Certification of the Chief Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (filed herewith).   |
| 101.INS *                        | XBRL Instance Document (filed herewith).   |
| 101.SCH*                         | XBRL Taxonomy Extension Schema Document (filed herewith).  |
| 101.CAL*                         | XBRL Taxonomy Extension Calculation Linkbase Document (filed herewith).  |
| 101.DEF *                        | XBRL Taxonomy Extension Definition Linkbase Document (filed herewith).   |
| 101.LAB*                         | XBRL Taxonomy Extension Label Linkbase Document (filed herewith).  |
| 101.PRE *                        | XBRL Taxonomy Extension Presentation Linkbase Document (filed herewith).   |
| *                                | XBRL (Extensible Business Reporting Language) information is furnished and not filed or a part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, is deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and otherwise is not subject to liability under these sections. |

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### **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

> MTS SYSTEMS **CORPORATION**

Date: May 7, 2018 /s/ JEFFREY A. GRAVES

Jeffrey A. Graves

President and

Chief Executive

Officer

(Principal

Executive

Officer)

Date: May 7, 2018 /s/ BRIAN T. ROSS

Brian T. Ross

Senior Vice

President and

Chief Financial

Officer

(Principal

Financial Officer

and Principal

Accounting

Officer)