UNITED STATES

		SECURITIES AND E WASHING	EXCHANG GTON, D.C		SION
	-	FC	ORM 10-Q		
(Mark	c One)				
X	QUARTERLY OF 1934	REPORT PURSUANT TO SEC	CTION 13 OR 1	5(d) OF THE SEC	CURITIES EXCHANGE ACT
		For The Quarter	y Period Ended <u>J</u>	une 30, 2016	
			OR		
	TRANSITION OF 1934	REPORT PURSUANT TO SEC	CTION 13 OR 1	5(d) OF THE SEC	CURITIES EXCHANGE ACT
		For the Transition Period	from	to	
		Commi	ssion File Numbe	r: 1-4639	
		Indiana		35	-0225010
		e or other jurisdiction of poration or organization)		(IRS	Employer ation Number)
	2375	5 Cabot Drive, Lisle, IL			60532
	(Address	of principal executive offices)		(Z	ip Code)
		Registrant's telephone nu	mber, including area	a code: <u>630-577-8800</u>	
the pre		ner the registrant (1) has filed all reports require such shorter period that the registrant was No \square			
be sub	mitted and posted pursu	ner the registrant has submitted electronical pant to Rule 405 of Regulation S-T (§ 232.4 mit and post such files). Yes 🗵 No [105 of this chapter) d		
		ner the registrant is a large accelerated filer, ed filer", "accelerated filer" and "smaller re			
Large	accelerated filer	Accelerated filer ⊠		accelerated filer	Smaller reporting company □
			(Do not ch	eck if smaller reporting company)	

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

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of July 27, 2016: 32,758,961.

CTS CORPORATION AND SUBSIDIARIES

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PART I - FINANCIAL INFORMATION

Item 1. Financial Statements

CTS CORPORATION AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF EARNINGS - UNAUDITED

(In thousands of dollars, except per share amounts)

	Three Months Ended			Six Months Ended				
J	,			,			June 28,	
\$		\$		\$		\$	2015 198,382	
Ψ		Ψ		Ψ		Ψ	132,873	
-						_	65,509	
			· · · · · · · · · · · · · · · · · · ·				30,935	
							10,686	
							2,856	
			*				(1)	
		_		_		_	21,033	
	, -, -,				,		,,,,,	
	(1.009)		(653)		(1.829)		(1,241)	
	331		853		879		1,641	
	(1,240)		117				(1,570)	
	(1,918)		317				(1,170)	
	22,179		10,859		34,144	_	19,863	
	7,692		(8,221)		11,794		(5,504)	
\$	14,487	\$	19,080	\$	22,350	\$	25,367	
\$	0.44	\$	0.58	\$	0.68	\$	0.76	
\$	0.44	\$	0.57	\$	0.67	\$	0.75	
	32,759		33,080		32,695		33,243	
	466		471		485		497	
	33,225		33,551		33,180		33,740	
\$	0.04	\$	0.04	\$	0.08	\$	0.08	
	\$ \$ \$ \$ \$	June 30, 2016 \$ 98,693 64,236 34,457 15,764 5,967 206 (11,577) 24,097 (1,009) 331 (1,240) (1,918) 22,179 7,692 \$ 14,487 \$ 0.44 \$ 0.44 32,759 466 33,225	June 30, 2016 \$ 98,693 \$ 64,236 34,457 15,764 5,967 206 (11,577) 24,097 (1,009) 331 (1,240) (1,918) 22,179 7,692 \$ 14,487 \$ \$ 0.44 \$ \$ \$ 0.44 \$ \$ 32,759 466 333,225	June 30, 2015 June 28, 2015 \$ 98,693 \$ 100,071 64,236 66,698 34,457 33,373 15,764 15,224 5,967 5,487 206 2,118 (11,577) 2 24,097 10,542 (1,009) (653) 331 853 (1,240) 117 (1,918) 317 22,179 10,859 7,692 (8,221) \$ 14,487 19,080 \$ 0.44 0.58 \$ 0.44 0.57 32,759 33,080 466 471 33,225 33,551	June 30, 2016 June 28, 2015 \$ 98,693 \$ 100,071 64,236 66,698 34,457 33,373 15,764 15,224 5,967 5,487 206 2,118 (11,577) 2 24,097 10,542 (1,009) (653) 331 853 (1,240) 117 (1,918) 317 22,179 10,859 7,692 (8,221) \$ 14,487 \$ 19,080 \$ 0.44 \$ 0.58 \$ 0.44 \$ 0.57 \$ 32,759 33,080 466 471 33,225 33,551	June 30, 2016 June 28, 2015 June 30, 2016 \$ 98,693 \$ 100,071 \$ 195,398 64,236 66,698 127,472 34,457 33,373 67,926 15,764 15,224 30,411 5,967 5,487 12,130 206 2,118 206 (11,577) 2 (11,351) 24,097 10,542 36,530 (1,009) (653) (1,829) 331 853 879 (1,240) 117 (1,436) (1,918) 317 (2,386) 22,179 10,859 34,144 7,692 (8,221) 11,794 \$ 14,487 \$ 19,080 \$ 22,350 \$ 0.44 0.58 0.68 \$ 0.44 0.57 0.67 32,759 33,080 32,695 466 471 485 33,225 33,551 33,180	June 30, 2016 June 28, 2015 June 30, 2016 \$ 98,693 \$ 100,071 \$ 195,398 \$ 64,236 66,698 127,472 127,472 34,457 33,373 67,926 67,926 15,764 15,224 30,411 5,967 5,487 12,130 206 2,118 206 (11,577) 2 (11,351) 24,097 10,542 36,530 (1,009) (653) (1,829) 331 853 879 (1,240) 117 (1,436) (1,918) 317 (2,386) 22,179 10,859 34,144 7,692 (8,221) 11,794 \$ 14,487 19,080 \$ 22,350 \$ \$ 0.44 \$ 0.58 \$ 0.68 \$ \$ 0.44 \$ 0.57 \$ 0.67 \$ \$ 32,759 33,080 32,695 466 471 485 33,225 33,551 33,180	

CTS CORPORATION AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME - UNAUDITED (In thousands of dollars)

	Three Months Ended				Six Months Ended				
	J	June 30, J 2016				June 30, 2016		June 28, 2015	
Net earnings	\$	14,487	\$	19,080	\$	22,350	\$	25,367	
Other comprehensive income (loss):									
Changes in fair market value of hedges, net of tax		(67)		69		227		(17)	
Changes in unrealized pension cost, net of tax		947		705		1,855		1,962	
Cumulative translation adjustment, net of tax		(317)		1,491		(726)		388	
Other comprehensive income	\$	563	\$	2,265	\$	1,356	\$	2,333	
Comprehensive income	\$	15,050	\$	21,345	\$	23,706	\$	27,700	

CTS CORPORATION AND SUBSIDIARIES CONDENSED CONSOLIDATED BALANCE SHEETS

(In thousands of dollars)

	(Unaudited) June 30, 2016	December 31, 2015		
ASSETS					
Current Assets					
Cash and cash equivalents	\$	119,912	\$	156,928	
Accounts receivable, net		62,125		54,563	
Inventories, net		25,978		24,600	
Other current assets		12,457		9,863	
Total current assets		220,472		245,954	
Property, plant and equipment, net		76,973		69,872	
Other Assets					
Prepaid pension asset		37,712		33,779	
Goodwill		61,744		33,865	
Other intangible assets, net		67,567		34,758	
Deferred income taxes		54,212		63,809	
Other		1,154		1,336	
Total other assets		222,389		167,547	
Total Assets	\$	519,834	\$	483,373	
LIABILITIES AND SHAREHOLDERS' EQUITY					
Current Liabilities					
Accounts payable	\$	41,679	\$	40,299	
Accrued payroll and benefits		8,501		7,147	
Accrued liabilities		46,915		47,174	
Total current liabilities		97,095		94,620	
Long-term debt		110,800		90,700	
Post retirement obligations		7,105		7,230	
Other long-term obligations		2,200		9,169	
Total Liabilities		217,200		201,719	
Shareholders' Equity					
Common stock		302,146		300,909	
Additional contributed capital		39,824		41,166	
Retained earnings		401,569		381,840	
Accumulated other comprehensive loss		(97,649)		(99,005)	
Total shareholders' equity before treasury stock		645,890		624,910	
Treasury stock		(343,256)		(343,256)	
Total shareholders' equity		302,634		281,654	
Total Liabilities and Shareholders' Equity	\$	519,834	\$	483,373	

CTS CORPORATION AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS - UNAUDITED

(In thousands of dollars)

	Six Months Ended			nded
		June 30, 2016		June 28, 2015
CASH FLOWS FROM OPERATING ACTIVITIES:		2010		2013
Net earnings	\$	22,350	\$	25,367
Adjustments to reconcile net earnings to net cash provided by operating activities:	•	,	•	- ,
Depreciation and amortization		8,925		8,093
Pension and other post-retirement plan (income) expense		(794)		3,297
Equity-based compensation		967		2,362
Restructuring charges		206		2,856
Prepaid pension assets		_		(4,422)
Deferred income taxes		2,877		_
(Gain) loss on sales of fixed assets		(11,351)		(1)
(Gain) loss on foreign currency hedges		(3)		_
Proceeds from settlement of foreign currency hedges		46		_
Changes in assets and liabilities:		.0		
Accounts receivable		(5,805)		(6,628)
Inventories		842		(2,914)
Other assets		(2,115)		(409)
Accounts payable		169		1,556
Accrued payroll and benefits		876		(704)
Accrued expenses		(2,594)		(2,588)
Income taxes payable		800		1,210
Other liabilities		(1,466)		(11,581)
Pension and other post-retirement plans		(1,400)		(11,361)
Net cash provided by operating activities		13,755		15,494
CASH FLOWS FROM INVESTING ACTIVITIES:		13,733		13,474
Capital expenditures		(7,483)		(3,905)
Proceeds from sale of assets		12,237		3
Payment for acquisition, net of cash acquired		(73,063)		_
Net cash used in investing activities		(68,309)		(3,902)
CASH FLOWS FROM FINANCING ACTIVITIES:		(00,20)		(5,502)
Payments of long-term debt		(1,462,100)		(562,300)
Proceeds from borrowings of long-term debt		1,482,200		576,000
Purchase of treasury stock				(11,369)
Dividends paid		(2,612)		(2,668)
Windfall tax benefits from equity awards		696		147
Proceeds from exercise of stock options		_		64
Net cash provided by (used in) financing activities		18,184		(126)
Effect of exchange rate changes on cash and cash equivalents		(646)		817
Net (decrease) increase in cash and cash equivalents	-	(37,016)		12,283
Cash and cash equivalents at beginning of period		156,928		134,508
Cash and cash equivalents at end of period	\$	119,912	\$	146,791
Supplemental cash flow information:	*	- 12,212		0,,,,
Cash paid for interest	\$	1,547	\$	1,046
Cash paid for income taxes, net	\$	8,703	\$	4,248
Cubit para for moonie whos, not	Ψ	0,703	Ψ	7,270

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS - UNAUDITED

(in thousands except for share and per share data)

June 30, 2016

NOTE 1—Basis of Presentation

The accompanying condensed consolidated financial statements have been prepared by CTS Corporation ("CTS" or "the Company"), without audit, pursuant to the rules and regulations of the Securities and Exchange Commission. Certain information and footnote disclosures normally included in financial statements prepared in accordance with generally accepted accounting principles have been omitted pursuant to such rules and regulations. The unaudited condensed consolidated financial statements should be read in conjunction with the financial statements, notes thereto, and other information included in the Company's Annual Report on Form 10-K for the year ended December 31, 2015.

The accompanying unaudited condensed consolidated financial statements reflect, in the opinion of management, all adjustments (consisting of normal recurring items) necessary for a fair statement, in all material respects, of the financial position and results of operations for the periods presented. The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reported period. Actual results could differ materially from those estimates. The results of operations for the interim periods are not necessarily indicative of the results for the entire year.

Subsequent Events

CTS has evaluated subsequent events and transactions for potential recognition or disclosure in the financial statements through the date the financial statements are issued.

Reclassifications

Certain prior period reclassifications have been made in the Condensed Consolidated Balance Sheet as a result of including our other post-retirement benefit plan liabilities in Post-retirement obligations as well as the retrospective application of a new accounting pronouncement upon the adoption of ASU 2015-17 (see Note 18 - Recent Accounting Pronouncements for additional details). The chart below quantifies the effects of these reclassification adjustments on our December 31, 2015, financial statements:

	At December 31, 2015								
Consolidated Balance Sheet Line Item		previously eported		lassification djustment	A	As currently reported			
Other current assets	\$	15,888	\$	(6,025)	\$	9,863			
Deferred income taxes	\$	58,544	\$	5,265	\$	63,809			
Accrued liabilities	\$	(53,905)	\$	6,731	\$	(47,174)			
Post-retirement obligations	\$	(2,703)	\$	(4,527)	\$	(7,230)			
Other long-term obligations	\$	(7,725)	\$	(1,444)	\$	(9,169)			

NOTE 2 - Accounts Receivable

The components of accounts receivable are as follows:

	As		
	June 30, 2016	D	ecember 31, 2015
Accounts receivable, gross	\$ 62,297	\$	54,696
Less: Allowance for doubtful accounts	(172)		(133)
Accounts receivable, net	\$ 62,125	\$	54,563

NOTE 3 – Inventories

Inventories consist of the following:

	 As		
	June 30,	De	ecember 31,
	2016		2015
Finished goods	\$ 5,881	\$	6,972
Work-in-process	8,501		6,828
Raw materials	17,856		16,991
Less: Inventory reserves	(6,260)		(6,191)
Inventories, net	\$ 25,978	\$	24,600

NOTE 4 – Property, Plant and Equipment

Property, plant and equipment is comprised of the following:

	As of				
	June 30, 2016	Do	ecember 31, 2015		
Land	\$ 2,330	\$	2,401		
Buildings and improvements	63,053		65,731		
Machinery and equipment	203,637		191,212		
Less: Accumulated depreciation	(192,047)		(189,472)		
Property, plant and equipment, net	\$ 76,973	\$	69,872		

NOTE 5 – Retirement Plans

Pension Plans

Net pension income for our domestic and foreign plans was as follows:

	 Three Months Ended				Six Months Ended				
	June 30,	June 28,		June 30 ,			June 28,		
	2016		2015		2016		2015		
Net pension income	\$ (402)	\$	(530)	\$	(794)	\$	(1,059)		

The components of net pension (income) expense for our domestic and foreign plans include the following:

		Domestic Pension Plans				Foreign Pension Plans					
		Three Mon	ths	Ended		Three Moi	nths Ended				
		June 30,		June 30, June 28,		June 30,			June 28,		
		2016		2015		2016		2015			
Service cost	\$	22	\$	42	\$	13	\$	16			
Interest cost		2,756		2,815		11		124			
Expected return on plan assets (1)		(4,744)		(5,068)		7		(134)			
Amortization of loss		1,498		1,585		35		90			
(Income) expense, net	\$	(468)	\$	(626)	\$	66	\$	96			

(1) Expected return on plan assets is net of expected investment expenses and certain administrative expenses.

Domestic Pension Plans			Foreign Pension Plans				
Six Months Ended			Six Months Ended				
June	e 30, 2016	Jun	ne 28, 2015	June 3	30, 2016	Jun	ne 28, 2015
\$	44	\$	86	\$	25	\$	33
	5,512		5,629		22		247
	(9,488)		(10,136)		14		(267)
	2,996		3,169		69		180
	12		_		_		_
\$	(924)	\$	(1,252)	\$	130	\$	193
	June	Six Mont June 30, 2016 \$ 44 5,512 (9,488) 2,996 12	Six Months End June 30, 2016 June \$ 44 \$ 5,512 (9,488) 2,996 12	Six Months Ended June 30, 2016 June 28, 2015 \$ 44 \$ 86 5,512 5,629 (9,488) (10,136) 2,996 3,169 12 —	Six Months Ended June 30, 2016 June 28, 2015 June 3 \$ 44 \$ 86 \$ 5,512 5,629 (9,488) (10,136) 2,996 3,169 12 —	Six Months Ended Six Mont June 30, 2016 June 30, 2016 \$ 44 \$ 86 \$ 25 5,512 5,629 22 (9,488) (10,136) 14 2,996 3,169 69 12 —	Six Months Ended Six Months Ended June 30, 2016 June 28, 2015 June 30, 2016 June 30, 2016

⁽¹⁾ Expected return on plan assets is net of expected investment expenses and certain administrative expenses.

Other Post-retirement Benefit Plan

Net post-retirement expense for our post-retirement plan includes the following components:

	Three Months Ended			Six Months Ended				
		June 30, 2016		June 28, 2015		June 30, 2016		June 28, 2015
Other post-retirement benefit plan		_		_				
Service cost	\$	1	\$	1	\$	2	\$	2
Interest cost		52		51		104		102
Amortization of gain		(37)		(25)		(75)		(50)
Post-retirement expense	\$	16	\$	27	\$	31	\$	54

NOTE 6 – Other Intangible Assets

Intangible assets consist of the following components:

				As of		
			Jun	e 30, 2016		-
	(Gross Carrying Amount		cumulated ortization	Net	Amount
Amortized intangible assets:						
Customer lists/relationships	\$	63,386	\$	(28,643)	\$	34,743
Patents		10,319		(10,319)		_
Technology and other intangibles		36,715		(6,091)		30,624
In process research and development		2,200		_		2,200
Other intangible assets, net	\$	112,620	\$	(45,053)	\$	67,567
Amortization expense for the three months ended June 30, 2016			\$	1,522		
Amortization expense for the six months ended June 30, 2016			\$	2,617		
r				-,		

	As of						
	December 31, 2015						
	C	Gross arrying Amount		umulated ortization	Net	Amount	
Amortized intangible assets:						_	
Customer lists/relationships	\$	51,804	\$	(27,101)	\$	24,703	
Patents		10,319		(10,319)		_	
Technology and other intangibles		12,871		(5,016)		7,855	
In process research and development		2,200		_		2,200	
Other intangible assets, net	\$	77,194	\$	(42,436)	\$	34,758	
Amortization expense for the three months ended June 28, 2015			\$	984			
Amortization expense for the six months ended June 28, 2015			\$	1,957			

Amortization expense remaining for other intangible assets is as follows:

	ortization expense
2016	\$ 2,933
2017	5,693
2018	5,573
2019	5,564 5,564
2020	5,564
Thereafter	42,240
Total amortization expense	\$ 67,567

NOTE 7 – Costs Associated with Exit and Restructuring Activities

Costs associated with exit and restructuring activities are recorded in the Condensed Consolidated Statement of Earnings as follows: restructuring related charges are recorded as a component of Cost of Goods Sold, and restructuring and impairment charges are reported on a separate line and included in Operating Earnings.

Total restructuring, impairment and restructuring related charges were as follows:

	Three Months Ended				
	June 30, 2016			28, 2015	
Restructuring-related charges	\$		\$	217	
Restructuring and impairment charges		206		2,118	
Total restructuring, impairment, and restructuring-related charges	\$	206	\$	2,335	

	Six Months Ended				
	June 30, 2016			28, 2015	
Restructuring-related charges	\$		\$	292	
Restructuring and impairment charges		206		2,856	
Total restructuring, impairment, and restructuring-related charges	\$	206	\$	3,148	

In June 2016, CTS announced plans to restructure operations by phasing out production at the Elkhart facility by mid-2018 and transitioning it into a research and development center supporting CTS' global operations ("June 2016 Plan"). Additional organizational changes will also occur in various other locations. The cost of the plan is preliminarily expected to range between \$16,000 and \$18,000, including the severance charges below, however this range may change significantly as we are still in the early stages of estimating the cost of the Plan. The total restructuring liability related to the June 2016 Plan was \$196 at June 30, 2016. Additional liabilities related to the June 2016 Plan will be accrued following finalization of cost estimates and notification of our plans to the affected employees following negotiations with employee labor representatives.

Total restructuring and impairment charges under the June 2016 Plan were as follows:

	Three Mon	Three Months Ended				
	June 30, 2016	June 28, 2015				
Restructuring and impairment charges	206	_				
	Six Month	ns Ended				
	June 30, 2016	June 28, 2015				
		June 20, 2013				

In April 2014, CTS announced plans to restructure its operations and consolidate its Canadian operations into other existing CTS facilities as part of CTS' overall plan to simplify its business model and rationalize its global footprint ("April 2014 Plan").

During the second quarter of 2015, CTS management revised the April 2014 Plan. The revision added \$4,250 in planned costs. Additional administrative and legal costs were expected to account for \$1,300 of the additional restructuring and impairment charges. The remaining \$2,950 in restructuring related charges are for additional costs related to equipment relocation, training, travel and shipping.

These restructuring actions, which were completed during 2015, resulted in the reduction of approximately 120 positions.

The following table displays the planned restructuring and restructuring-related charges associated with the April 2014 Plan, as well as a summary of the actual costs incurred through June 30, 2016:

	N I		tual costs	
April 2014 Plan	Planned Costs	incurred through June 30, 2016		
Inventory write-down	\$ 850	\$	_	
Equipment relocation	1,800		444	
Other charges	1,400		113	
Restructuring-related charges, included in cost of goods sold	\$ 4,050	\$	557	
Workforce reduction	\$ 4,200	\$	4,423	
Asset impairment charge	_		_	
Other charges, including pension termination costs	1,700		3,413	
Restructuring and impairment charges	\$ 5,900	\$	7,836	
Total restructuring, impairment and restructuring related charges	\$ 9,950	\$	8,393	

Total restructuring, impairment and restructuring related charges under the April 2014 Plan were as follows:

	Three Months Ended				
	June 30, 2016		June 28, 2015		
Restructuring-related charges	\$		\$	217	
Restructuring and impairment charges				1,516	
Total restructuring, impairment, and restructuring related charges	\$		\$	1,733	

	Six Months Ended				
	June	June 28, 2015			
Restructuring-related charges	\$	_	\$	217	
Restructuring and impairment charges		_		1,877	
Total restructuring, impairment, and restructuring-related charges	\$	_	\$	2,094	

Total restructuring liability related to the April 2014 Plan was \$611 at June 30, 2016.

In June 2013, CTS announced a restructuring plan to simplify CTS' global footprint by consolidating manufacturing facilities into existing locations ("June 2013 Plan"). The June 2013 Plan included the consolidation of operations from the U.K. manufacturing facility into the Czech Republic facility, the Carol Stream, Illinois manufacturing facility into the Juarez, Mexico facility and discontinuing manufacturing at the Singapore facility. Certain corporate functions were consolidated or eliminated as a result of the June 2013 Plan. These restructuring actions were completed in 2015 and resulted in the reduction of approximately 350 positions.

During the fourth quarter of 2014, CTS management revised the June 2013 Plan. The revision added \$4,000 in planned costs. Settlement of the U.K. pension plan was expected to account for \$2,000 of the added cost. The remaining \$2,000 in restructuring and impairment charges were for severance costs and resulted in the reduction of approximately 130 additional positions throughout CTS businesses. The above actions were completed in 2015.

The following table displays the planned restructuring and restructuring-related charges associated with the June 2013 Plan and a summary of the actual costs incurred through June 30, 2016:

			Actual	
	Planned	incurred through June 30, 2016		
June 2013 Plan	Costs			
Inventory write-down	\$ 800	\$	1,143	
Equipment relocation	900		1,792	
Other charges	100		702	
Restructuring-related charges, included in cost of goods sold	\$ 1,800	\$	3,637	
Workforce reduction	\$ 10,150	\$	9,615	
Asset impairment charge	3,000		4,139	
Other charges, including pension termination costs	7,650		10,205	
Restructuring and impairment charges	\$ 20,800	\$	23,959	
Total restructuring and restructuring-related charges	\$ 22,600	\$	27,596	

Under the June 2013 Plan, total restructuring, impairment and restructuring related charges incurred were as follows:

	Three Months Ended				
	June 3	June 1	28, 2015		
Restructuring-related charges	\$		\$		
Restructuring and impairment charges		_		602	
Total restructuring, impairment, and restructuring-related charges	\$		\$	602	

	Six Months Ended				
	June 30, 2016			28, 2015	
Restructuring-related charges	\$		\$	75	
Restructuring and impairment charges		_		979	
Total restructuring, impairment, and restructuring-related charges	\$	_	\$	1,054	

No remaining liability is recorded for the June 2013 Plan as of June 30, 2016.

The following table displays the restructuring liability activity for all plans for the period ended June 30, 2016:

Combined Plans

Restructuring liability at January 1, 2016	\$ 826
Restructuring and restructuring-related charges, excluding asset impairments and write-offs	206
Cost paid	(265)
Other activity (1)	\$ 40
Restructuring liability at June 30, 2016	\$ 807

⁽¹⁾ Other activity includes asset impairments, write-offs of property, plant and equipment, the effects of currency translation and other charges that do not flow through restructuring expense.

NOTE 8 – Accrued Liabilities

The components of accrued liabilities are as follows:

	As of			
	June 30, 2016	De	ecember 31, 2015	
Accrued product related costs	\$ 4,873	\$	5,245	
Accrued income taxes	9,655		8,845	
Accrued property and other taxes	1,750		1,838	
Accrued outside commissions	1,294		97	
Accrued professional fees	1,465		704	
Accrued building improvement costs	1,709		1,768	
Dividends payable	1,310		1,302	
Remediation reserves	19,575		20,603	
Other accrued liabilities	5,284		6,772	
Total accrued liabilities	\$ 46,915	\$	47,174	

NOTE 9 – Contingencies

Certain processes in the manufacture of CTS' current and past products create hazardous waste by-products as currently defined by federal and state laws and regulations. CTS has been notified by the U.S. Environmental Protection Agency, state environmental agencies, and in some cases, generator groups, that it is or may be a potentially responsible party regarding hazardous substances at several sites either presently or historically owned, leased, or operated by CTS. Some sites are Superfund sites such as in Asheville, North Carolina and Mountain View, California. CTS reserves for probable remediation activities and for claims and proceedings against CTS with respect to other environmental matters. CTS records reserves on a undiscounted basis. In the opinion of management, based upon presently available information relating to all such matters, adequate provision for probable and estimable costs have been recorded. We do not have any known environmental obligations where a loss is probable or reasonably possible of occurring for which we do not have a reserve, nor do we have any amounts for which we have not reserved because the amount of the loss cannot be reasonably estimated. Due to the inherent nature of environmental obligations, CTS cannot provide assurance that its ultimate environmental investigation and clean-up costs and liabilities will not materially exceed the amount of its current reserve. Our reserve and disclosures will be adjusted accordingly if additional information becomes available in the future.

Unrelated to the environmental claims described above, certain other claims are pending against CTS with respect to matters arising out of the ordinary conduct of CTS' business. Although the ultimate outcome of any potential litigation resulting from these claims cannot be predicted with certainty, and some may be disposed of unfavorably to CTS, management believes that adequate provision for anticipated costs have been established based upon all presently available information. Except as noted herein, we do not believe we have any pending loss contingencies that are probable or reasonably possible of having a material impact on our consolidated financial position, results of operations, or cash flows.

NOTE 10 - Debt

Long-term debt was comprised of the following:

	As of				
	June 30, 2016	De	ecember 31, 2015		
Revolving credit facility due in 2020	\$ 110,800	\$	90,700		
Weighted average interest rate	1.9%		1.5%		
Amount available	\$ 187,035	\$	106,985		
Total credit facility	\$ 300,000	\$	200,000		
Standby letters of credit	\$ 2,165	\$	2,315		
Commitment fee percentage per annum	0.30%		0.25%		

On August 10, 2015, CTS entered into a new five-year credit agreement with a group of banks ("Revolving Credit Facility") in order to support CTS' working capital needs and other general corporate purposes. The Revolving Credit Facility originally provided for a credit line of \$200,000. This Revolving Credit Facility replaced a prior unsecured credit facility. Borrowings under the previous credit agreement were refinanced under the Revolving Credit Facility and the previous credit agreement was terminated on August 10, 2015. On May 23, 2016, CTS requested and received a \$100,000 increase in the aggregate revolving credit commitments under its existing credit agreement, which increased the credit line from \$200,000 to \$300,000.

The Revolving Credit Facility includes a swing line sublimit of \$15,000 and a letter of credit sublimit of \$10,000. Borrowings under the Revolving Credit Facility bear interest, at CTS' option, at the base rate plus the applicable margin for base rate loans or LIBOR plus the applicable margin for LIBOR loans. CTS also pays a quarterly commitment fee on the unused portion of the Revolving Credit Facility. The commitment fee ranges from 0.20% to 0.40% based on the CTS' total leverage ratio.

The Revolving Credit Facility requires, among other things, that CTS comply with a maximum total leverage ratio and a minimum fixed charge coverage ratio. Failure of CTS to comply with these covenants could reduce the borrowing availability under the Revolving Credit Facility. CTS was in compliance with all debt covenants at June 30, 2016. The Revolving Credit Facility requires that CTS deliver quarterly financial statements, annual financial statements, auditors certifications and compliance certificates within a specified number of days after the end of a quarter and year. Additionally, the Revolving Credit Facility contains restrictions limiting CTS' ability to: dispose of assets; incur certain additional debt; repay other debt or amend subordinated debt instruments; create liens on assets; make investments, loans or advances; make acquisitions or engage in mergers or consolidations; engage in certain transactions with CTS' subsidiaries and affiliates; and make stock repurchases and dividend payments. Interest rates on

the Revolving Credit Facility fluctuate based upon the London Interbank Offered Rate and the Company's quarterly total leverage ratio.

CTS has debt issuance costs related to its long-term debt that are being amortized using the straight-line method over the life of the debt. These costs are included in interest expense in our Statement of Earnings. Amortization expense was approximately \$32 and \$50 for the three months ended June 30, 2016 and June 28, 2015, respectively, and approximately \$70 and \$100 for the first six months ended June 30, 2016 and June 28, 2015, respectively.

Note 11 - Derivative Financial Instruments

Our earnings and cash flows are subject to fluctuations due to changes in foreign currency exchange rates and interest rates. We selectively use derivative financial instruments including foreign currency forward contracts and interest rate swaps to manage our exposure to these risks.

The use of derivative financial instruments exposes the Company to credit risk, which relates to the risk of nonperformance by a counterparty to the derivative contracts. We manage our credit risk by entering into derivative contracts with only highly rated financial institutions and by using netting agreements.

Foreign Currency Hedges

In January of 2016, we began using forward contracts to mitigate currency risk related to a portion of our forecasted foreign currency revenues and costs. The currency forward contracts are designed as cash flow hedges and are recorded in the Condensed Consolidated Balance Sheets at fair value. At least quarterly, we assess the effectiveness of these hedging relationships based on the total change in their fair value using regression analysis. The effective portion of derivative gains and losses are recorded in accumulated other comprehensive loss until the hedged transaction affects earnings upon settlement, at which time they are reclassified to cost of goods sold or net sales. Ineffectiveness is recorded in other income (expense) in our Condensed Consolidated Statement of Earnings. If it becomes probable that an anticipated transaction that is hedged will not occur by the end of the originally specified time period, we reclassify the gains or losses related to that hedge from accumulated other comprehensive income (expenses).

We continue to monitor the Company's overall currency exposure and may elect to add cash flow hedges in the future. At June 30, 2016, we had a net unrealized gain of \$77 in accumulated other comprehensive income, which is expected to be reclassified to income within the next 12 months. The notional amount of foreign currency forward contracts outstanding was \$10.8 million at June 30, 2016.

Interest Rate Swaps

CTS uses interest rate swaps to convert the revolving credit facility's variable rate of interest into a fixed rate. In the second quarter of 2012, CTS entered into four separate interest rate swap agreements to fix interest rates on \$50,000 of long-term debt for the periods January 2013 to January 2017. In the third quarter of 2012, CTS entered into four additional interest rate swap agreements to fix interest rates on \$25,000 of long-term debt for the periods January 2013 to January 2017. The difference to be paid or received under the terms of the swap agreements will be recognized as an adjustment to interest expense when settled.

These swaps are treated as cash flow hedges and consequently, the changes in fair value were recorded in other comprehensive income (loss). The estimated net amount of the existing gains or losses that are reported in accumulated other comprehensive income (loss) that is expected to be reclassified into earnings within the next twelve months is approximately \$480.

The location and fair values of derivative instruments designated as hedging instruments in the Condensed Consolidated Balance Sheets as of June 30, 2016, are shown in the following table:

	As of				
	June 30, 2016			ecember 31, 2015	
Foreign currency hedges reported in Other current assets	\$	34	\$	_	
Interest rate swaps reported in Accrued liabilities	\$	(480)	\$	(768)	

The Company has elected to net its foreign currency derivative assets and liabilities in the balance sheet in accordance with ASC 210-20. On a gross basis, there were foreign currency derivative assets of \$107 and foreign currency derivative liabilities of \$73.

The effect of derivative instruments on the Condensed Consolidated Statements of Earnings is as follows:

	Three Months Ended				hs Ended	
	June 30,		June 28,	June 30,		June 28,
	2	016	2015	2016		2015
Foreign Exchange Contracts:						
Loss recognized in Net Sales	\$	(84)	\$ —	\$	(91)	\$ —
Gain recognized in Cost of Goods Sold		88	_		88	_
Gain recognized Selling, General and Administrative expense		6	_		10	
Loss recognized in Other (expenses) income			_		(1)	_
Interest Rate Swaps:						
Interest Expense	\$	161	\$ 192	\$	313	\$ 382
Total	\$	171	\$ 192	\$	319	\$ 382

NOTE 12 – Accumulated Other Comprehensive (Loss) Income

Shareholders' equity includes certain items classified as accumulated other comprehensive (loss) income ("AOCI") in the Condensed Consolidated Balance Sheets, including:

Unrealized gains (losses) on hedges relate to interest rate swaps to convert the line of credit's variable rate of interest into a fixed rate and foreign currency forward contracts used to hedge our exposure to changes in exchange rates affecting certain revenues and costs denominated in foreign currencies. These hedges are designated as cash flow hedges, and CTS has deferred income statement recognition of gains and losses until the hedged transaction occurs, at which time amounts are reclassified into earnings. Further information related to CTS' derivative financial instruments is included in Note 11 - Derivative Financial Instruments and Note 15 – Fair Value Measurements.

Unrealized gains (losses) on pension obligations are deferred from income statement recognition until the gains or losses are realized. Amounts reclassified to income from AOCI are included in net periodic pension expense. Further information related to CTS' pension obligations is included in NOTE 5 – Retirement Plans.

Cumulative translation adjustment relates to our non-U.S. subsidiary companies that have designated a functional currency other than the U.S. dollar. CTS is required to translate the subsidiary functional currency financial statements to dollars using a combination of historical, period-end, and average foreign exchange rates. This combination of rates creates the foreign currency translation adjustment component of other comprehensive (loss) income.

Changes in exchange rates between the functional currency and the currency in which a transaction is denominated are foreign exchange transaction gains or losses. Transaction (losses)/gains for the three and six month periods ended June 30, 2016 were (\$1,260) and (\$1,491), respectively, and for the three and six month periods ended June 28, 2015 were \$125 and (\$1,563), respectively, which are included in other income/(expenses) in the Condensed Consolidated Statement of Earnings.

The components of accumulated other comprehensive (loss) income for the three months ended June 30, 2016, are as follows:

	M	As of Iarch 31, 2016	Gain (Loss) Recognized in OCI	Gain (Loss) reclassified from AOCI to income	As of June 30, 2016
Changes in fair market value of hedges:					
Gross	\$	(295)	\$ (337)	\$ 229	\$ (403)
Income tax expense (benefit)		110	127	(86)	151
Net		(185)	(210)	143	(252)
Changes in unrealized pension cost:					
Gross		(160,268)		1,505	(158,763)
Income tax expense (benefit)		63,818	 	(558)	 63,260
Net		(96,450)	_	947	(95,503)
Cumulative translation adjustment:					
Gross		(1,685)	(310)	_	(1,995)
Income tax expense (benefit)		108	(7)		101
Net		(1,577)	(317)		(1,894)
Total accumulated other comprehensive (loss) income	\$	(98,212)	\$ (527)	\$ 1,090	\$ (97,649)

The components of accumulated other comprehensive (loss) income for the three months ended June 28, 2015, are as follows:

	N	As of Iarch 29, 2015	Reco	(Loss) gnized OCI	Gain (Loss) reclassified from AOCI to income	As of June 28, 2015
Changes in fair market value of hedges:						
Gross	\$	(1,157)	\$	(82)	\$ 192	\$ (1,047)
Income tax expense (benefit)		435		31	(72)	394
Net		(722)		(51)	120	(653)
Changes in unrealized pension cost:						
Gross		(167,361)		1,199		(166,162)
Income tax expense (benefit)		64,451		(494)	_	63,957
Net		(102,910)		705		(102,205)
Cumulative translation adjustment:						
Gross		(491)		1,064	_	573
Income tax expense (benefit)		(42)		427		385
Net		(533)		1,491		958
Total accumulated other comprehensive (loss) income	\$	(104,165)	\$	2,145	\$ 120	\$ (101,900)

The components of accumulated other comprehensive (loss) income for the six months ended June 30, 2016, are as follows:

De	As of cember 31, 2015		` /	Gain (Loss) reclassified from AOCI to income		As of June 30, 2016
\$	(768)	\$	(95)	\$ 460	\$	(403)
	289		36	(174)		151
	(479)		(59)	286		(252)
	(161,719)		_	2,956		(158,763)
	64,361		_	(1,101)		63,260
	(97,358)		_	1,855		(95,503)
	(1,279)		(716)	_		(1,995)
	111		(10)			101
	(1,168)		(726)			(1,894)
\$	(99,005)	\$	(785)	\$ 2,141	\$	(97,649)
	\$	\$ (768) 289 (479) (161,719) 64,361 (97,358) (1,279) 111 (1,168)	\$ (768) \$ 289 (479) (161,719) 64,361 (97,358) (1,279) 111 (1,168)	December 31, 2015 Recognized in OCI \$ (768) \$ (95) 289 36 (479) (59) (161,719) — 64,361 — (97,358) — (1,279) (716) 111 (10) (1,168) (726)	As of December 31, 2015 Gain (Loss) Recognized in OCI reclassified from AOCI to income \$ (768) \$ (95) \$ 460 289 36 (174) (479) (59) 286 (161,719) — 2,956 64,361 — (1,101) (97,358) — 1,855 (1,279) (716) — 111 (10) — (1,168) (726) —	As of December 31, 2015 Gain (Loss) Recognized in OCI reclassified from AOCI to income \$ (768) \$ (95) \$ 460 \$ 289 36 (174) (479) (59) 286 286 (161,719) — 2,956 464,361 — (1,101) 1,855 (1,279) (716) — 111 (10) — (1,168) (726) —

The components of accumulated other comprehensive (loss) income for the six months ended June 28, 2015, are as follows:

	Dec	As of cember 31, 2014	Re	nin (Loss) ecognized in OCI	Gain (Loss) reclassified from AOCI to income	As of June 28, 2015
Changes in fair market value of hedges:						
Gross	\$	(1,020)	\$	(409)	\$ 382	\$ (1,047)
Income tax expense (benefit)		384		154	(144)	394
Net		(636)		(255)	238	(653)
Changes in unrealized pension cost:						
Gross		(169,291)		3,129		(166,162)
Income tax expense (benefit)		65,124		(1,167)	_	63,957
Net		(104,167)		1,962		(102,205)
Cumulative translation adjustment:						
Gross		245		328	_	573
Income tax expense (benefit)		325		60	_	385
Net	\$	570	\$	388	\$ —	\$ 958
Total accumulated other comprehensive (loss) income	\$	(104,233)	\$	2,095	\$ 238	\$ (101,900)

NOTE 13 - Shareholders' Equity

Share count and par value data related to shareholders' equity are as follows:

	As	of
	June 30,	December 31,
	2016	2015
Preferred Stock		
Par value per share	No par value	No par value
Shares authorized	25,000,000	25,000,000
Shares outstanding	-	_
Common Stock		
Par value per share	No par value	No par value
Shares authorized	75,000,000	75,000,000
Shares issued	56,452,983	56,242,499
Shares outstanding	32,758,961	32,548,477
Treasury stock		
Shares held	23,694,022	23,694,022

Through June 30, 2016, CTS had purchased 164,852 shares of common stock for an aggregate of \$2,893 under a previously board-authorized share repurchase plan. No common stock repurchases were made during the six months ending June 30, 2016. Approximately \$17,554 is available for future purchases.

A roll-forward of common shares outstanding is as follows:

Six M	onths Ended
June 30,	June 28,
2016	2015
Balance at the beginning of the year 32,548,4	77 33,392,060
Repurchases	(626,882)
Shares issued upon exercise of stock options	5,200
Restricted share issuances 210,4	84 133,353
Balance at the end of the period 32,758,9	61 32,903,731

Certain potentially dilutive restricted stock units are excluded from diluted earning per share because they are anti-dilutive. The number of awards that were anti-dilutive at June 30, 2016 and June 28, 2015 were 11,600 and 0, respectively.

NOTE 14 - Equity-Based Compensation

At June 30, 2016, CTS had four equity-based compensation plans: the Nonemployee Directors' Stock Retirement Plan ("Directors' Plan"), the 2004 Omnibus Long-Term Incentive Plan ("2004 Plan"), the 2009 Omnibus Equity and Performance Incentive Plan ("2009 Plan"), and the 2014 Performance & Incentive Plan ("2014 Plan"). Future grants can only be made under the 2014 Plan.

The 2009 Plan, and previously the 2004 Plan, provides for grants of incentive stock options or nonqualified stock options to officers, key employees, and non-employee members of CTS' Board of Directors. In addition, the 2014 Plan, the 2009 Plan and the 2004 Plan allow for grants of stock appreciation rights, restricted stock, restricted stock units ("RSUs"), performance shares, performance units, and other stock awards.

The following table summarizes the compensation expense included in selling, general and administrative expenses in the Condensed Consolidated Statements of Earnings related to equity-based compensation plans:

	Three Months Ended			Six Month			hs Ended	
		June 30, 2016		June 28, 2015		June 30, 2016		June 28, 2015
Service-Based RSUs	\$	436	\$	400	\$	948	\$	949
Performance-Based RSUs		130		251		(25)		771
Market-Based RSUs		119		191		44		642
Total	\$	685	\$	842	\$	967	\$	2,362
Income tax benefit	\$	257	\$	317	\$	363	\$	888

The following table summarizes the unrecognized compensation expense related to non-vested RSUs by type and the weighted-average period in which the expense is to be recognized:

	\mathbf{U}	nrecognized	
		expense at une 30, 2016	Weighted- average period
Service-Based RSUs	\$	2,084	1.4 years
Performance-Based RSUs		698	1.5 years
Market-Based RSUs		638	1.4 years
Total	\$	3,420	1.4 years

CTS recognizes expense on a straight-line basis over the requisite service period for each separately vesting portion of the award as if the award was, in substance, multiple awards.

The following table summarizes the maximum number of awards available to be granted under these plans as of June 30, 2016:

	2014 Plan	2009 Plan	2004 Plan	Directors' Plan
Awards originally available	1,500,000	3,400,000	6,500,000	N/A
Stock options outstanding	_	_	_	_
Options exercisable	_	_	_	_
Performance-based options outstanding	325,000	_		
Service-based RSUs outstanding	257,371	170,442	78,947	25,985
Performance and market-based RSUs outstanding at 200% of target	351,300	86,120	_	_
RSUs vested and released	48,339	_	_	_
Awards available for grant	517,990	256,562	78,947	25,985

Stock Options

Stock options are exercisable in cumulative annual installments over a maximum 10-year period, commencing at least one year from the date of grant. Stock options are generally granted with an exercise price equal to the market price of CTS' stock on the date of grant, vest over four years, and have a 10-year contractual life. The awards generally contain provisions to either accelerate vesting or allow vesting to continue on schedule upon retirement if certain service and age requirements are met. The awards also provide for accelerated vesting if there is a change in control event. CTS has no stock options exercisable or outstanding as of June 30, 2016, other than the performance-based stock options described below.

Performance-Based Stock Options

During the second quarters of 2015 and 2016, the Compensation Committee of the Board of Directors of the Company (the "Committee") granted a total of 325,000 performance-based stock option awards ("Performance-Based Option Awards") for certain CTS employees under the 2014 Plan. The Performance-Based Option Awards have an exercise price of \$18.37, a term of five years, and generally will become exercisable (provided the optionee remains employed by CTS or an affiliate) upon CTS' attainment of at least \$600,000 in revenues during any of CTS' four-fiscal-quarter trailing periods (as determined by the Committee) during the term. CTS has not recognized any expense on these Performance-Based Option Awards for the six months ended June 30, 2016, since the revenue target is not deemed likely to be attained based on our current forecast.

Service-Based Restricted Stock Units

Service-based RSUs entitle the holder to receive one share of common stock for each unit when the unit vests. RSUs are issued to officers, key employees and non-employee directors as compensation. Generally, the RSUs vest over a three-year period. RSUs granted to non-employee directors vest one month after the grant date. Upon grant, each non-employee director elects to either receive the stock associated with the RSU immediately upon vesting, or defer receipt of the stock until his or her retirement from the Board of Directors. The fair value of the RSUs is equivalent to the trading value of CTS' common stock on the grant date.

A summary of the status of RSUs granted under the 2004, 2009, and 2014 plans is presented below:

	Six Months Ended June 30, 2016		
	Units		Weighted Average Grant Date Fair Value
Outstanding at January 1, 2016	471,196	\$	13.27
Granted	164,922		13.97
Vested and released	(97,298)		14.39
Forfeited	(32,060)		17.05
Outstanding at June 30, 2016	506,760	\$	13.13
Releasable at June 30, 2016	277,749	\$	11.33

A summary of the status of RSUs granted under the Director's Plan is presented below:

Six Months Ended June 30, 2016		
33,974	\$	11.75
_		_
(7,989)		11.75
25,985	\$	11.75
25,985	\$	11.75
	June 30 Units 33,974 — (7,989) — 25,985	June 30, 2016 Wo Are Gray Fair (7,989) — 25,985 \$

Performance and Market-Based Restricted Stock Units

CTS grants performance-based restricted stock unit awards to certain executives. Vesting may occur in the amount of zero percent to 200% of the grant target. Vesting is subject to certification of the financial results for the last year in the performance period by CTS' independent auditors. The number of awards vesting is dependent upon CTS' achievement of either sales growth targets or cash flow targets as defined in the agreements.

CTS grants market-based restricted stock unit awards to certain executives and key employees. Vesting may occur in the amount of zero percent to 200% of the grant target. Vesting is subject to certification of the financial results for the last year of the target range by CTS' independent auditors. The number of awards vesting is determined using a matrix based on a percentile ranking of CTS' total stockholder return with a peer group total shareholder return over the three-year period comprising the performance period. Vesting is tied exclusively to CTS' total stockholder return relative to peer group companies' total stockholder return rates during the performance period.

The following table summarizes the performance and market-based RSU activity as of and for the six months ended June 30, 2016:

	Units	Weighted Average Grant Date Fair Value
Outstanding at January 1, 2016, at target	249,560	14.59
Granted, at target	108,650	13.56
Attained by performance	97,017	10.48
Vested and released	(234,517)	10.52
Forfeited, at target	(9,000)	17.14
Outstanding at June 30, 2016, at target	211,710	16.58
Maximum potential units outstanding at June 30, 2016	437,420	16.63

NOTE 15 — Fair Value Measurements

CTS uses interest rate swaps to convert our line of credit's variable rate of interest into a fixed rate and foreign currency forward contracts to hedge the effect of foreign currency changes on certain revenues and costs denominated in foreign currencies. These derivative financial instruments are measured at fair value on a recurring basis. The table below summarizes CTS' financial assets (liabilities) that were measured at fair value at June 30, 2016:

			Q	uoted				
			1	Prices				
			in	Active	Sig	nificant		
	(Carrying	Ma	rkets for	(Other	Sig	gnificant
		Value at	Id	entical	Obs	servable	Uno	bservable
		June 30,	Inst	ruments		nputs]	Inputs
		2016	(L	evel 1)	(L	evel 2)	<u>(I</u>	Level 3)
Interest rate swaps	\$	(480)	\$	_	\$	(480)	\$	_
Foreign currency hedges	\$	34	\$		\$	34	\$	

The table below summarizes the financial liability that was measured at fair value on a recurring basis as of December 31, 2015:

		Quoted		
		Prices		
		in Active	Significant	
	Carrying	Markets for	Other	Significant
	Value at	Identical	Observable	Unobservable
	December 31,	Instruments	Inputs	Inputs
	2015	(Level 1)	(Level 2)	(Level 3)
Interest rate swaps	\$ (768)	\$	\$ (768)	\$

The fair value of our interest rate swaps and foreign currency hedges were measured using standard valuation models using market-based observable inputs over the contractual terms, including forward yield curves, among others. There is a readily determinable market for these derivative instruments, but that market is not active and therefore they are classified within level 2 of the fair value hierarchy.

The table below provides a reconciliation of the recurring financial assets (liabilities) for our derivative instruments:

			Foreign
	_	Interest	Currency
		Rate Swaps	 Hedges
Balance at January 1, 2015	\$	(1,020)	\$
Realized gains (losses) included in earnings		768	
Unrealized gains (losses)		(516)	_
Balance at December 31, 2015	\$	(768)	\$ _
Realized gains (losses) included in earnings		472	3
Unrealized gains (losses)		(184)	31
Balance at June 30, 2016	\$	(480)	\$ 34

CTS' long-term debt consists of the Revolving Credit Facility which is recorded at its carrying value. There is a readily determinable market for CTS' long-term debt and it is classified within Level 2 of the fair value hierarchy as the market is not deemed to be active. The fair value of long-term debt approximates carrying value and was determined by valuing a similar hypothetical coupon bond and attributing that value to our long-term debt under the Revolving Credit Facility.

NOTE 16 — Income Taxes

The effective tax rates for the first quarter 2016 and 2015 are as follows:

	Three Mont	hs Ended	Six Months	s Ended
	June 30,	June 28,	June 30,	June 28,
	2016	2015	2016	2015
Effective tax rate	34.7%	(75.7)%	34.5%	(27.7)%

CTS' effective income tax rate for was 34.7% and (75.7)% in the second quarter of 2016 and 2015, respectively. The tax rate in the second quarter and first six months of 2016 reflected the change in the mix of earnings by jurisdiction, the impact of discrete items, the company's decision to no longer permanently reinvest the earnings of its Canadian and U.K. subsidiaries, and tax expense for withholding taxes on earnings in China that are not anticipated to be maintained in China. CTS began recording tax expense for withholding taxes in China in the fourth quarter of 2015 and expects to continue this practice going forward. During the second quarter and first six months of 2015, CTS reflected a benefit attributable to filing amended U.S. federal tax returns in order to take credits for foreign taxes paid which was partially offset by a reserve recorded on an uncertain tax position.

CTS' continuing practice is to recognize interest and/or penalties related to income tax matters as income tax expense. For the three months ended June 30, 2016, and June 28, 2015, CTS accrued \$186 and \$820 of interest or penalties in income tax expense.

Note 17 - Business Combinations

On March 11, 2016, CTS acquired all of the outstanding membership interests in CTG Advanced Materials, LLC ("CTG-AM"), a privately-held company, for \$73 million in cash plus a working capital adjustment. CTG-AM, formerly operated as H.C. Materials, is the market leading designer and manufacturer of single crystal piezoelectric materials, serving major original equipment manufacturers throughout the medical marketplace. These materials enable high definition ultrasound imaging (3D and 4D), as well as intravascular ultrasound applications. Other applications for these materials include wireless pacemakers, implantable hearing aids, and defense technologies.

With the CTG-AM acquisition, CTS gains technology and proprietary manufacturing methods that expand its offering of piezoelectric materials. This allows CTS to become the leading large-scale commercial producer of both single crystal materials and traditional piezoelectric ceramics.

The purchase price of \$73,063, net of cash acquired of \$4, has been allocated to the fair values of assets and liabilities acquired as of March 11, 2016.

The following table summarizes the fair values of the assets acquired and the liabilities assumed at the date of acquisition:

	Fair Values at March 11, 2016
Current assets	\$ 4,215
Property, plant and equipment	6,173
Other assets	37
Goodwill	27,879
Intangible assets	35,427
Fair value of assets acquired	73,731
Less fair value of liabilities acquired	(668)
Net cash paid	\$ 73,063

Goodwill represents value the Company expects to be created by combining the operations of the acquired business with the Company's operations, including the expansion into markets within our existing business, access to new customers, and potential cost savings and synergies. Goodwill related to the acquisition is expected to be deductible for tax purposes.

The following table summarizes the carrying amounts and weighted average lives of the acquired intangible assets:

Intangible Asset Type	Fa	air Value	Weighted Average Amortization Period (in years)
Developed Technology	\$	23,730	15.0
Customer Relationships and Contracts		11,502	14.6
Other		195	0.8
Total	\$	35,427	

CTS incurred \$804 in transaction related costs during the six months ended June 30, 2016. These costs are included in selling, general, and administrative costs in our Condensed Consolidated Statement of Earnings.

Results of operations for CTG -AM are included in our consolidated condensed financial statements beginning on March 11, 2016. The amount of net sales and net loss from CTG-AM since the acquisition date that have been included in the Condensed Consolidated Statement of Earnings are as follows:

	M	or the period arch 11, 2016 through une 30, 2016
Net sales	\$	3,876
Net loss	\$	111

Supplemental Pro Forma Information

The unaudited pro forma amounts below include CTG-AM's revenues and earnings that would have been included in our Condensed Consolidated Statement of Earnings had the acquisition date been January 1, 2015.

	Three Months Ended			Six Months Ended				
	June 30,		June 28,		June 30,		June 28,	
		2016		2015		2016		2015
Net sales	\$	98,693	\$	103,689	\$	197,710	\$	205,290
Net earnings	\$	14,487	\$	19,640	\$	22,249	\$	26,298
Earnings per share:								
Basic	\$	0.44	\$	0.59	\$	0.68	\$	0.79
Diluted	\$	0.44	\$	0.59	\$	0.67	\$	0.78

The pro forma results have been prepared for informational purposes only and include adjustments to amortize acquired intangible assets with finite life, reflect additional interest expense on debt used to fund the acquisition, and to record the tax consequences of the pro forma adjustments. Included in the pro forma results are nonrecurring expenses for transaction costs of \$0 and \$804 and additional cost of goods sold of \$750 and \$1,151 for the three and six month periods ended June 30, 2016 for inventory recognized at fair value as a result of acquisition-related adjustments.

NOTE 18 — Recent Accounting Pronouncements

ASU 2016-9 "Compensation-Stock Compensation (Topic 718): Improvement to Employee Share Based Payment Accounting"

In March 2016, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2016-09, "Improvements to Employee Share-Based Payment Accounting." This ASU simplifies several aspects of the accounting for share-based payment transactions, including the income tax consequences, forfeitures, classification of awards as either equity or liabilities, and classification on the statement of cash flows. The guidance is effective for annual reporting periods beginning after December 15, 2016, including interim periods. Early adoption is permitted. An entity that elects early adoption of the amendment

under this ASU must adopt all aspects of the amendment in the same period. We are currently evaluating the impact this guidance will have on our consolidated financial statements.

ASU 2016-5 "Derivatives and Hedging (Topic 815): Effect of Derivative Contract Novations on Existing Hedge Accounting Relationships"

In March 2016, the FASB issued ASU No. 2016-5 "Derivatives and Hedging (Topic 815): Effect of Derivative Contract Novations on Existing Hedge Accounting Relationships". This amendment clarifies that a change in the counterparty to a derivative instrument does not on its own require dedesignation of the hedging instrument under Topic 815, provided that all other hedge accounting criteria (including those in paragraphs 815-20-35-14 through 35-18) continue to be met. This update can be applied prospectively or retrospectively and is effective for fiscal years beginning after December 15, 2016, and interim periods within those years. This update is not expected to have an impact to our financial statements.

ASU 2016-2 "Leases (Topic 842)"

In February 2016, the FASB issued ASU 2016-2, "Leases (Topic 842)". This amendment created a new Topic under the accounting standards codification to account for the provisions of the ASU. This amendment is meant to provide transparency and to improve comparability between entities. The ASU requires companies to record an asset and liability to the balance sheet for leases that were formerly designated as operating leases as well as leases designated as financing leases. The provisions of the ASU predominately change the recognition of leases for lessees, the provisions do not substantially change the accounting for lessors. This ASU will supersede the provisions of Topic 840 Leases.

The liability recorded for a lease is meant to recognize the lease payments and the asset as a right to use the underlying asset for the lease, including optional periods if it is reasonably certain the option will be exercised. Recording of the liability should be based on the present value of the lease payments. If a lease term is less than twelve month, a company is allowed to elect not to record the asset and liability. Expense related to these leases are to be amortized straight-line over the term of the lease.

Additionally, the provisions of this ASU provide additional guidance on separating lease terms from maintenance and other type of provisions that provide a good or service, accounting for sale-leaseback provisions, and leveraged leases.

Reporting in the cash flow statement remains virtually unchanged as the lease payments will continue to be recognized within financing activities and the change in interest within operating activities. Reporting for operating leases remain within operating activities. Additional qualitative and quantitative disclosures are required.

These updates are required to be applied under a modified retrospective approach from the beginning of the earlier period presented. The modified approach provides optional practical expedients that may be elected, which will allow companies to continue to account for leases under the previous guidance for leases that commenced prior to the effective date.

The provisions of this ASU are effective for fiscal years beginning after December 15, 2018, and interim periods within those periods. Early adoption is allowed. The provisions of this guidance are still being evaluated and the impact on CTS' financial statements has not yet been determined.

ASU 2015-17, "Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes"

In November 2015, FASB issued ASU 2015-17, "Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes". The amendment requires Company's to begin classifying all deferred income taxes as non-current. The provisions are expected to simplify the presentation of deferred income taxes and align the presentation of deferred income taxes with the International Financial Reporting Standards ("IFRS"). The amendments in this update are effective for annual periods beginning after December 16, 2016, and interim periods within those annual periods. The update can be applied prospectively or retrospectively.

The Company early adopted the above guidance on January 1, 2016 and elected to retrospectively apply its provisions. This resulted in reclassification of the amounts in our December 31, 2015 Consolidated Balance Sheet as shown in Note 1 - Basis of Presentation.

ASU 2015-16, "Business Combinations (Topic 805): Simplifying the Accounting for Measurement-Period Adjustments"

In September 2015, the FASB issued Accounting Standards Update ("ASU") 2015-16, "Business Combinations (Topic 805) Simplifying the Accounting for Measurement-Period Adjustments of Inventory". The amendments clarify that an acquirer recognize adjustments to provisional amounts that are identified during the measurement period in the reporting period in which the adjustment amounts are determined. The acquirer needs to record, in the same period's financial statements, the effect of changes in depreciation, amortization, or other income as a result of the change to the provisional amounts as if the accounting had been completed at the acquisition date. This amendment requires an entity to present separately on the face of the income statement or disclose in the notes the portion of the amount recorded in current period earnings by line item, as if the provisional adjustments had been recognized as of the acquisition date. This ASU became effective for CTS on January 1, 2016 and its provisions did not have an impact on our financial statements.

ASU 2015-14, "Revenue from Contracts with Customers (Topic 606)"

In August 2015, the FASB issued ASU 2015-14, "Accounting for Revenue from Contracts with Customers (Topic 606)". The amended guidance deferred the effective date of the ASU 2014-09 "Revenue from Contracts with Customers (Topic 606)" to annual periods beginning after December 15, 2017, and interim periods within that reporting period. Early adoption is permitted for annual periods beginning after December 15, 2016, and interim periods within that annual period. In addition, in April 2016 the FASB issued ASU 2016-10 "Revenue from Contracts with Customers: Identifying Performance Obligations and Licensing (Topic 606)", which amends the revenue guidance on identifying performance obligations and accounting for intellectual property licenses. In May 2016, the FASB issued ASU 2016-12 "Revenue from Contracts with Customers: Narrow-Scope Improvements and Practical Expedients (Topic 606)", which provides additional guidance in assessing whether a transaction meets the definition of revenue, in narrowed circumstances during the transition to ASU 2014-09 and subsequent to implementation. This update can either be applied under either a cumulative effect or retrospective method. ASU 2016-10 and ASU 2016-12 must be adopted concurrently with ASU 2014-09. The impact of ASU 2014-9 on our financial statements has not yet been determined.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A")

(in thousands, except percentages and per share amounts)

The following discussion should be read in conjunction with our unaudited Condensed Consolidated Financial Statements and notes included under Item 1, as well as our Consolidated Financial Statements and notes and related Management's Discussion and Analysis of Financial Condition and Results of Operations included in our Annual Report on Form 10-K for the year ended December 31, 2015.

Overview

CTS Corporation ("CTS", "we", "our" or "us") is a leading designer and manufacturer of products that Sense, Connect and Move. CTS manufactures sensors, actuators and electronic components in North America, Europe and Asia, and supplies these products to OEMs in the aerospace, communications, defense, industrial, information technology, medical and transportation markets.

Results of Operations: Second Quarter 2016 versus Second Quarter 2015

The following table highlights changes in significant components of the Unaudited Condensed Consolidated Statements of Earnings for the quarters ended June 30, 2016, and June 28, 2015:

	Three Months Ended			Ended		Percent of	Percent of
	J	June 30,	,	June 28,	Percent	Net Sales –	Net Sales –
		2016		2015	Change	2016	2015
Net sales	\$	98,693	\$	100,071	(1.4)	100.0	100.0
Cost of goods sold(1)		64,236		66,698	(3.7)	65.1	66.7
Gross margin		34,457		33,373	3.2	34.9	33.3
Selling, general and administrative expenses		15,764		15,224	3.5	16.0	15.2
Research and development expenses		5,967		5,487	8.7	6.0	5.5
Restructuring and impairment charges		206		2,118	(90.3)	0.2	2.1
(Gain) loss on sale of assets		(11,577)		2	(578,950.0)	(11.7)	_
Total operating expenses		10,360		22,831	(54.6)	10.5	22.8
Operating earnings		24,097		10,542	128.6	24.4	10.5
Total other (expense) income		(1,918)		317	(705.0)	(1.9)	0.3
Earnings before income taxes		22,179		10,859	104.2	22.5	10.8
Income tax expense (benefit)		7,692		(8,221)	(193.6)	7.8	(8.2)
Net earnings	\$	14,487	\$	19,080	(24.1)	14.7	19.0
Earnings per share:							
Diluted net earnings per share	\$	0.44	\$	0.57			

⁽¹⁾ Cost of goods sold includes restructuring related charges of \$0 in 2016 and \$75 in 2015.

Sales of \$98,693 in the second quarter of 2016 decreased \$1,378 or (1.4)% from the second quarter of 2015. Sales to automotive markets decreased \$2,061 due to lower volumes and unfavorable foreign exchange impact. Other sales increased \$683 due to the addition of sales from the single crystal acquisition which was partially offset by lower demand for electronic components in certain end markets. Changes in foreign exchange rates caused \$398 of the total sales decrease, driven by the U.S. Dollar appreciating compared to the Chinese Renminbi and relating mostly to sales of automotive products.

Gross margin as a percent of sales was 34.9% in the second quarter of 2016 compared to 33.3% in the second quarter of 2015. The increase in gross margin resulted from cost savings from continued efficiency gains, material and labor productivity projects, savings from restructuring projects and the addition of sales from the single crystal acquisition. In addition, foreign exchange rates had a favorable impact on manufacturing costs as the U.S. Dollar appreciated against various local currencies in countries in which we have manufacturing operations.

Selling, general and administrative expenses were \$15,764 or 16.0% of sales in the second quarter of 2016 versus \$15,224 or 15.2% of sales in the comparable quarter of 2015. The increase is primarily attributable to added costs as a result of the single crystal acquisition, including amortization of intangibles. Selling and marketing expenses were also higher as CTS continues to

invest to drive future growth. The increases were partially offset by lower general and administrative expenses in other parts of the business.

Research and development expenses were \$5,967 or 6.0% of sales in the second quarter of 2016 compared to \$5,487 or 5.5% of sales in the comparable quarter of 2015. The increase was related to continued investment in new products to drive organic growth. Research and development expenses are focused on expanded applications of existing products and new product development as well as current product and process enhancements.

Restructuring and impairment charges were \$206 or 0.2% of sales in the second quarter 2016 compared to \$2,118 or 2.1% of sales in the second quarter of 2015. The 2016 charges are for severance costs related to the restructuring of certain operations as part of the 2016 Restructuring Plan announced in June 2016. The 2015 charges consist primarily of accruals for severance costs related to the consolidation of CTS' Canadian operation in Streetsville, Ontario into other CTS facilities.

The gain on sale of assets is driven primarily by the gain on sale of the building in Canada in June 2016.

Operating earnings were \$24,097 or 24.4% of sales in the second quarter of 2016 compared to operating earnings of \$10,542 or 10.5% of sales in the comparable quarter of 2015 as a result of the items discussed above.

Other income and expense items are summarized in the following table:

	Three	Three Months Ended			
	June 30, 2016		ine 28, 2015		
Interest expense	\$ (1,0	(09) \$	(653)		
Interest income	3	31	853		
Other (expense) income, net	(1,2	(40)	117		
Total other (expense) income	\$ (1,9	18) \$	317		

Interest expense increased in the second quarter of 2016 versus the second quarter of 2015 as a result of higher borrowings related to the single crystal acquisition. Interest income decreased due to lower cash balances. Other expense in the second quarter of 2016 is largely the result of foreign currency translation losses, primarily due to the appreciation of the U.S. Dollar compared to the Chinese Renminbi. Other income in the second quarter of 2015 was driven by foreign currency translation gains.

	Three Mon	ths Ended
	June 30,	June 28,
	2016	2015
Effective tax rate	34.7%	(75.7)%

CTS' effective income tax rate was 34.7% and (75.7)% in the second quarter of 2016 and 2015, respectively. The tax rate in the second quarter of 2016 reflected the change in the mix of earnings by jurisdiction, the impact of discrete items, the company's decision to no longer permanently reinvest the earnings of its Canadian and U.K. subsidiaries and tax expense for withholding taxes on earnings in China that are not anticipated to be maintained in China. CTS began recording tax expense for withholding taxes in China in the fourth quarter of 2015 and expects to continue this practice going forward. During the second quarter of 2015, CTS reflected a benefit attributable to filing amended U.S. federal tax returns in order to take credits for foreign taxes paid which was partially offset by a reserve recorded on an uncertain tax position.

Results of Operations: Six months ended June 30, 2016 versus Six months ended June 30, 2015

The following table highlights changes in significant components of the Unaudited Condensed Consolidated Statements of Earnings for the six months ended June 30, 2016, and June 28, 2015:

	Six Months Ended			Ended		Percent of	Percent of
	J	June 30, 2016		June 28, 2015	Percent Change	Net Sales – 2016	Net Sales – 2015
Net sales	\$	195,398	\$	198,382	(1.5)	100.0	100.0
Cost of goods sold(1)		127,472		132,873	(4.1)	65.2	67.0
Gross margin		67,926		65,509	3.7	34.8	33.0
Selling, general and administrative expenses		30,411		30,935	(1.7)	15.6	15.6
Research and development expenses		12,130		10,686	13.5	6.2	5.4
Restructuring and impairment charges		206		2,856	(92.8)	0.1	1.4
(Gain) loss on sale of assets		(11,351)		(1)	1,135,000.0	(5.8)	
Total operating expenses		31,396		44,476	(29.4)	16.1	22.4
Operating earnings		36,530		21,033	73.7	18.7	10.6
Total other (expense) income		(2,386)		(1,170)	103.9	(1.2)	(0.6)
Earnings before income taxes		34,144		19,863	71.9	17.5	10.0
Income tax expense (benefit)		11,794		(5,504)	(314.3)	6.0	(2.8)
Net earnings	\$	22,350	\$	25,367	(11.9)	11.4	12.8
Earnings per share:							
Diluted net earnings per share	\$	0.67	\$	0.75			

⁽¹⁾ Cost of goods sold includes restructuring related charges of \$0 in 2016 and \$75 in 2015.

Sales of \$195,398 in the six months ended June 30, 2016 decreased \$2,984 or (1.5)% from the six months ended June 28, 2015. Sales to automotive markets decreased \$1,461 due to lower volumes and unfavorable foreign exchange impact. Other sales declined \$1,523 due to lower demand for electronic components in certain end markets, which was partially offset by the addition of sales from the single crystal acquisition. Changes in foreign exchange rates caused \$1,097 of the total sales decrease, driven by the U.S. Dollar appreciating compared to the Chinese Renminbi and relating mostly to sales of automotive products.

Gross margin as a percent of sales was 34.8% in the first half of 2016 compared to 33.0% in the first half of 2015. The increase in gross margin resulted from cost savings from continued efficiency gains, material and labor productivity projects, savings from restructuring projects and the addition of sales from the single crystal acquisition. In addition, foreign exchange rates had a favorable impact on manufacturing costs as the U.S. Dollar appreciated against various local currencies in countries in which we have manufacturing operations.

Selling, general and administrative expenses were \$30,411 or 15.6% of sales in the six-month period ended June 30, 2016 versus \$30,935 or 15.6% of sales in the comparable year-to-date period in 2015. Expenses in 2016 include added costs as a result of the single crystal acquisition, including amortization of intangibles. Selling and marketing expenses were higher as CTS continues to invest to drive future growth. The increases were offset by lower general and administrative expenses in other parts of the business.

Research and development expenses were \$12,130 or 6.2% of sales in the six months ended June 30, 2016 compared to \$10,686 or 5.4% of sales in the comparable prior year period. The increase was related to continued investment in new products to drive organic growth. Research and development expenses are focused on expanded applications of existing products and new product development as well as current product and process enhancements.

Restructuring and impairment charges were \$206 or 0.1% of sales in the first half of 2016 compared to \$2,856 or 1.4% of sales in the first half of 2015. The 2016 charges are for severance costs related to the restructuring of certain operations as part of the 2016 Restructuring Plan announced in June 2016. The 2015 charges consist primarily of accruals for severance costs related to the consolidation of CTS' Canadian operation in Streetsville, Ontario into other CTS facilities. The information as set forth under Note 7, Costs Associated with Exit and Restructuring Activities, in the condensed consolidated financial statements included in Part I, Item 1 of this report is incorporated herein by reference.

The gain on sale of assets is driven primarily by the gain on sale of the building in Canada in June 2016.

Operating earnings were \$36,530 or 18.7% of sales in the six months ended June 30, 2016 compared to operating earnings of \$21,033 or 10.6% of sales in the six months ended June 28, 2015 as a result of the items discussed above.

Other income and expense items are summarized in the following table:

	 Six Months Ended			
	June 30, 2016		June 28, 2015	
Interest expense	\$ (1,829)	\$	(1,241)	
Interest income	879		1,641	
Other expense, net	(1,436)		(1,570)	
Total other expense	\$ (2,386)	\$	(1,170)	

Interest expense increased in the first half of 2016 versus the first half of 2015 as a result of higher borrowings related primarily to the single crystal acquisition. Interest income decreased due to lower cash balances. Other expense in the first half of 2016 is largely the result of foreign currency translation losses, primarily due to the appreciation of the U.S. Dollar compared to the Chinese Renminbi. Other expense in the second half of 2015 was also driven by foreign currency translation losses, primarily due to the appreciation of the U.S. Dollar compared to the Euro.

	Six Month	is Ended
	June 30,	June 28,
	2016	2015
Effective tax rate	34.5%	(27.7)%

CTS' effective income tax rate was 34.5% and (27.7)% in the first six months of 2016 and 2015, respectively. The tax rate in the first six months of 2016 reflected the change in the mix of earnings by jurisdiction, the impact of discrete items, the company's decision to no longer permanently reinvest the earnings of its Canadian and U.K. subsidiaries, and tax expense for withholding taxes on earnings in China that are not anticipated to be maintained in China. CTS began recording tax expense for withholding taxes in China in the fourth quarter of 2015 and expects to continue this practice going forward. In the first six months of 2015, the tax rate reflected a benefit attributable to filing amended U.S. federal tax returns in order to take credits for foreign taxes paid which was partially offset by a reserve recorded on an uncertain tax position.

Liquidity and Capital Resources

Cash and cash equivalents were \$119,912 at June 30, 2016 and \$156,928 at December 31, 2015, of which \$118,608 and \$156,310, respectively, were held outside the United States. The decrease in cash and cash equivalents of \$37,016 was primarily driven by cash used in investing activities of \$68,309, which included a payment for a business acquisition in the amount of \$73,063, capital expenditures of \$7,483 and proceeds from the sale of assets of \$12,237, offset by net borrowings on our credit facility of \$20,100 and cash generated from operations of \$13,755. Total debt was \$110,800 as of June 30, 2016 and \$90,700 as of December 31, 2015. Total debt as a percentage of total capitalization, defined as the sum of long-term debt as a percentage of total debt and shareholders' equity, was 26.8% at June 30, 2016, compared to 24.4% at December 31, 2015.

Working capital decreased by \$27,957 during the six months ended June 30, 2016, primarily due to the aforementioned decrease in cash and cash equivalents partially offset by a \$7,562 increase in accounts receivable.

Cash Flows from Operating Activities

Net cash provided by operating activities was \$13,755 during the first six months of 2016. Components of net cash provided by operating activities included net earnings of \$22,350, depreciation and amortization expense of \$8,925, and equity-based compensation of \$967 offset by amortization of retirement benefit adjustments of \$794, net changes in assets and liabilities of \$9,468 and other non-cash items such as gains on sales of fixed assets, deferred income taxes, restructuring charges and gains on foreign currency hedges totaling \$8,225.

Cash Flows from Investing Activities

Net cash used in investing activities for the first six months of 2016 was \$68,309, which includes a payment for a business acquisition of \$73,063, net of cash acquired, proceeds from the sale of assets of \$12,237 and \$7,483 for capital expenditures.

Cash Flows from Financing Activities

Net cash provided by financing activities for the first six months of 2016 was \$18,184. These cash inflows were the result of net borrowings under our credit facility totaling \$20,100, windfall tax benefits from equity awards of \$696 offset by dividend payments of \$2,612.

Capital Resources

On August 10, 2015, CTS entered into a new five-year credit agreement with a group of banks ("Revolving Credit Facility") in order to support CTS' working capital needs and other general corporate purposes. The Revolving Credit Facility originally provided for a credit line of \$200,000. This Revolving Credit Facility replaced a prior unsecured credit facility. Borrowings under the previous credit agreement were refinanced under the Revolving Credit Facility and the previous credit agreement was terminated on August 10, 2015. On May 23, 2016, CTS requested and received a \$100,000 increase in the aggregate revolving credit commitments under its existing credit agreement, which increased the credit line from \$200,000 to \$300,000.

Long-term debt was comprised of the following:

	 As of			
	 June 30,	De	cember 31,	
	2016		2015	
Revolving credit facility due in 2020	\$ 110,800	\$	90,700	
Weighted average interest rate	1.9%		1.5%	
Amount available	\$ 187,035	\$	106,985	
Total credit facility	\$ 300,000	\$	200,000	
Standby letters of credit	\$ 2,165	\$	2,315	
Commitment fee percentage per annum	0.30%		0.25%	

The Revolving Credit Facility requires, among other things, that CTS comply with a maximum total leverage ratio and a minimum fixed charge coverage ratio. Failure of CTS to comply with these covenants could reduce the borrowing availability under the Revolving Credit Facility. CTS was in compliance with all debt covenants at June 30, 2016.

CTS uses interest rate swaps to convert the Revolving Credit Facility's variable rate of interest into a fixed rate. In the second quarter of 2012, CTS entered into four separate interest rate swap agreements to fix interest rates on \$50,000 of long-term debt for the periods January 2013 to January 2017. In the third quarter of 2012, CTS entered into four separate interest rate swap agreements to fix interest rates on \$25,000 of long-term debt for the periods January 2013 to January 2017. The difference to be paid or received under the terms of the swap agreements is recognized as an adjustment to interest expense when settled.

Generally, CTS' practice and intention is to reinvest the earnings of its non-U.S. subsidiaries outside the U.S. However, CTS determined during 2015 that as a result of changes in the business, the foreign earnings of its subsidiaries in Canada and the U.K. were no longer permanently reinvested. Therefore, a provision for the expected taxes on repatriation of those earnings was recorded at that time. Any repatriation may not result in significant cash income tax payments as the taxable event would likely be offset by the utilization of the then available tax credits, resulting in no significant net cash taxes being incurred. CTS does not provide for U.S. income taxes on undistributed earnings of its foreign subsidiaries that are intended to be permanently reinvested.

We have historically funded our capital and operating needs primarily through cash flows from operating activities, supported by available credit under our Revolving Credit Facility. We believe that cash flows from operating activities and available borrowings under our Revolving Credit Facility will be adequate to fund our working capital, capital expenditures and debt service requirements for at least the next twelve months. However, we may choose to pursue additional equity and debt financing to provide additional liquidity or to fund acquisitions.

Critical Accounting Policies and Estimates

Management prepared the consolidated financial statements of CTS under accounting principles generally accepted in the United States of America. These principles require the use of estimates, judgments, and assumptions. We believe that the estimates, judgments, and assumptions we used are reasonable, based upon the information available.

Our estimates and assumptions affect the reported amounts in our financial statements. The following accounting policies comprise those that we believe are the most critical in understanding and evaluating CTS' reported financial results.

Revenue Recognition

Product revenue is recognized once four criteria are met: (1) we have persuasive evidence that an arrangement exists; (2) delivery has occurred and title has passed to the customer, which generally happens at the point of shipment, provided that no significant obligations remain; (3) the price is fixed and determinable; and (4) collectability is reasonably assured.

Accounts Receivable

We have standardized credit granting and review policies and procedures for all customer accounts, including:

- Credit reviews of all new customer accounts.
- Ongoing credit evaluations of current customers,
- Credit limits and payment terms based on available credit information,
- · Adjustments to credit limits based upon payment history and the customer's current credit worthiness,
- An active collection effort by regional credit functions, reporting directly to the corporate financial officers, and

We reserve for estimated credit losses based on historical experience and specific customer collection issues. Over the last three years, accounts receivable reserves have been approximately 0.2% of total accounts receivable. We believe our reserve level is appropriate considering the quality of the portfolio. While credit losses have historically been within expectations and the reserves established, we cannot guarantee that our credit loss experience will continue to be consistent with historical experience.

Inventories

We value our inventories at the lower of the actual cost to purchase or manufacture using the first-in, first-out ("FIFO") method, or the current estimated market value. We review inventory quantities on hand and record a provision for excess and obsolete inventory based on forecasts of product demand and production requirements.

Over the last three years, our reserves for excess and obsolete inventories have ranged from 18.0% to 20.1% of gross inventory. We believe our reserve level is appropriate considering the quantities and quality of the inventories.

Retirement Plans

Actuarial assumptions are used in determining pension income and expense and our pension benefit obligation. We utilize actuaries from consulting companies in each applicable country to develop our discount rates that match high-quality bonds currently available and expected to be available during the period to maturity of the pension benefit in order to provide the necessary future cash flows to pay the accumulated benefits when due. After considering the recommendations of our actuaries, we have assumed a discount rate, expected rate of return on plan assets and a rate of compensation increase in determining our annual pension income and expense and the projected benefit obligation. During the fourth quarter of each year, we review our actuarial assumptions in light of current economic factors to determine if the assumptions need to be adjusted. Changes in the actuarial assumptions could have a material effect on our results of operations.

Valuation of Goodwill

Goodwill of a reporting unit is tested for impairment annually, or more frequently if an event occurs or circumstances change that would more-likely-than-not reduce the fair value of a reporting unit below its carrying amount. Examples of such events or circumstances include:

- Significant decline in market capitalization relative to net book value,
- Significant adverse change in legal factors or in the business climate,
- Adverse action or assessment by a regulator,

- Unanticipated competition,
- More-likely-than-not expectation that a reporting unit or a significant portion of a reporting unit will be sold or otherwise disposed of,
- Testing for recoverability of a significant asset group within a reporting unit, and
- Allocation of a portion of goodwill to a business to be disposed.

If CTS believes that one or more of the above indicators of impairment have occurred, we perform an impairment test. The performance of the test involves a two-step process. The first step of the impairment test involves comparing the fair values of the applicable reporting units with their aggregate carrying values, including goodwill. We generally determine the fair value of our reporting units using two valuation methods: "Income Approach — Discounted Cash Flow Method" and "Market Approach — Guideline Public Company Method". The approach defined below is based upon our last impairment test conducted as of October 1, 2015.

Under the "Income Approach — Discounted Cash Flow Method", the key assumptions consider sales, cost of sales and operating expenses projected through the year 2020. These assumptions were determined by management utilizing our internal operating plan and assuming growth rates for revenues, operating expenses, and gross margin assumptions. The fourth key assumption under this approach is the discount rate which is determined by looking at current risk-free rates, current market interest rates and the evaluation of risk premium relevant to the business segment. If our assumptions relative to growth rates were to change or were incorrect, our fair value calculation may change which could result in impairment.

Under the "Market Approach — Guideline Public Company Method", we identified eight publicly traded companies, including CTS, which we believe have significant relevant similarities. For these eight companies, we calculated the mean ratio of invested capital to revenues and invested capital to EBITDA. Similar to the Income approach discussed above, sales, cost of sales, operating expenses and their respective growth rates were the key assumptions utilized. The market prices of CTS and other guideline company shares are also key assumptions. If these market prices increase, the estimated market value would increase. If the market prices decrease, the estimated market value would decrease.

The results of these two methods are weighted based upon management's determination. The Market approach is based upon historical and current economic conditions, which might not reflect the long-term prospects or opportunities for CTS' business being evaluated.

If the carrying amount of a reporting unit exceeds the reporting unit's fair value, we perform the second step of the goodwill impairment test to determine the amount of impairment loss, which involves comparing the implied fair value of the affected reporting unit's goodwill with the carrying value of that goodwill.

There have not been any significant changes to our impairment testing methodology other than updates to the assumptions to reflect the current market environment. As discussed above, key assumptions used in the first step of the goodwill impairment test were determined by management utilizing CTS' internal operating plan. The key assumptions utilized include forecasted growth rates for revenues and operating expenses as well as a discount rate which is determined by looking at current risk-free rates of capital, current market interest rates and the evaluation of a risk premium relevant to the business segment. CTS will monitor future results and will perform a test if indicators trigger an impairment review.

We test the impairment of goodwill whenever events or changes in circumstances indicate that the carrying value may not be recoverable. Based upon our latest assessment, we determined that our goodwill was not impaired as of October 1, 2015, and there have been no further indicators of goodwill impairment since that time.

Valuation of Long-Lived and Other Intangible Assets

We evaluate the impairment of identifiable intangibles and other long-lived assets whenever events or changes in circumstances indicate that the carrying value may not be recoverable. Factors considered that may trigger an impairment review consist of:

- Significant underperformance relative to expected historical or projected future operating results,
- Significant changes in the manner of use of the acquired assets or the strategy for the overall business,
- Significant negative industry or economic trends,
- Significant decline in CTS' stock price for a sustained period, and
- Significant decline in market capitalization relative to net book value.

If CTS believes that one or more of the above indicators of impairment have occurred and the undiscounted cash flow test failed in the case of amortizable assets, it measures impairment based on projected discounted cash flows using a discount rate that incorporates the risk inherent in the cash flows.

Income Taxes

CTS identified, evaluated, and measured the amount of income tax benefits to be recognized for all of our income tax positions. Included in deferred tax assets are amounts related to federal, state and foreign net operating losses. CTS intends to utilize these net operating loss carryforwards to offset future income taxes.

CTS' practice is to recognize interest and penalties related to income tax matters as part of income tax expense.

CTS earns a significant amount of its operating income outside of the U.S., which is generally deemed to be permanently reinvested in foreign jurisdictions. However, CTS determined during 2015 that as a result of changes in the business, the foreign earnings of its subsidiaries in Canada and the U.K. were no longer permanently reinvested. Therefore, a provision for the expected taxes on repatriation of those earnings was recorded. CTS does not intend to repatriate funds beyond the amount from its Canadian and U.K. subsidiaries; however, should CTS require more capital in the U.S. than is generated by our domestic operations, CTS could elect to repatriate funds held in foreign jurisdictions or raise capital in the U.S. through debt or equity issuances. Repatriation would result in a higher effective tax rate. Borrowing in the U.S. would result in increased interest expense.

Significant Customers

Our net sales to customers representing at least 10% of total net sales were as follows:

	Three mont	hs ended	Six Months Ended			
	June 30, June 28,		June 30,	June 28,		
	2016	2015	2016	2015		
Honda Motor Co.	10.3%	10.3%	11.0%	9.9%		
Toyota Motor Corporation	10.8%	10.0%	10.7%	9.2%		
Cummins Inc.	9.6%	8.7%	10.0%	8.5%		

Forward-Looking Statements

This document contains statements that are, or may be deemed to be, forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements include, but are not limited to, any financial or other guidance, statements that reflect our current expectations concerning future results and events, and any other statements that are not based solely on historical fact. Forward-looking statements are based on management's expectations, certain assumptions and currently available information. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof and are based on various assumptions as to future events, the occurrence of which necessarily are subject to uncertainties. These forward-looking statements are made subject to certain risks, uncertainties and other factors, which could cause our actual results, performance or achievements to differ materially from those presented in the forward-looking statements. Examples of factors that may affect future operating results and financial condition include, but are not limited to: changes in the economy generally and in respect to the business in which CTS operates; unanticipated issues in integrating acquisitions; the results of actions to reposition our business; rapid technological change; general market conditions in the automotive, communications, and computer industries, as well as conditions in the industrial, defense and aerospace, and medical markets; reliance on key customers; unanticipated natural disasters or other events; the ability to protect our intellectual property; pricing pressures and demand for our products; unanticipated developments that could occur with respect to contingencies such as litigation and environmental matters as well as any product liability claims; and risks associated with our international operations, including trade and tariff barriers, exchange rates and political and geopolitical risks. Many of these and other risks and uncertainties are discussed in further detail in Item 1A. of CTS' Annual Report on Form 10-K for the fiscal year ended December 31, 2015. We undertake no obligation to publicly update our forward-looking statements to reflect new information or events or circumstances that arise after the date hereof, including market or industry changes.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

There have been no material changes in our market risk since December 31, 2015.

Item 4. Controls and Procedures

Pursuant to Rule 13a-15(e) of the Securities and Exchange Act of 1934, management, under the direction of our Chief Executive Officer and Chief Financial Officer, evaluated our disclosure controls and procedures. Based on such evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective as of June 30, 2016.

Changes in Internal Control Over Financial Reporting

There were no changes in our internal control over financial reporting for the quarter ended June 30, 2016, that have materially affected or are reasonably likely to materially affect our internal control over financial reporting.

PART II - OTHER INFORMATION

Not applicable

Item 1. Legal Proceedings

From time to time we are involved in litigation with respect to matters arising from the ordinary conduct of our business, and currently certain claims are pending against us. In the opinion of management, based upon presently available information, either adequate provision for anticipated costs have been accrued or the ultimate anticipated costs will not materially affect our consolidated financial position, results of operations, or cash flows.

Item 1A. Risk Factors

There have been no significant changes to our risk factors since December 31, 2015.

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

On April 27, 2015, CTS announced that its Board of Directors authorized an expansion to its repurchase program by authorizing the purchase of an additional \$25 million dollars of its common stock in the open market. This authorization has no expiration. As shown in the following table, there were no stock repurchases during the quarter ended June 30, 2016.

			(c)		
			Total Number		(d)
	(a) Total Number of Shares Purchased	(b) Average Price Paid per Share	of Shares Purchased as Part of Plans or Program	of Shar Puro	mum Dollar Value es That May Yet Be chased Under the ns or Programs ₍₂₎
Balance at March 31, 2016				\$	17,554
April 1, 2016 - June 30, 2016	_	_	_	\$	_
Total		_	_	\$	17,554

Item 6. Exhibits

(31)(a)	Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
(31)(b)	Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
(32)(a)	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
(32)(b)	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	XBRL Taxonomy Extension Label Linkbase Document
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document

SIGNATURES

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

CTS Corporation	CTS Corporation
/s/ Luis F. Machado	/s/ Ashish Agrawal
Luis F. Machado Vice President, General Counsel and Secretary	Ashish Agrawal Vice President and Chief Financial Officer
Dated: July 29, 2016	Dated: July 29, 2016

CERTIFICATION

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

Date: July 29, 2016	/s/ Kieran O'Sullivan
	Kieran O'Sullivan
	Chairman, President and Chief Executive Officer

CERTIFICATION

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

Date: July 29, 2016	/s/Ashish Agrawal
	Ashish Agrawal Vice President and Chief Financial Officer

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

In connection with the quarterly report of CTS Corporation (the Company) on Form 10-Q for the quarter ended June 30, 2016, as filed with the Securities and Exchange Commission on the date hereof (the Report), the undersigned officer of the Company certifies, pursuant to 18 U.S.C. ss. 1350, as adopted pursuant to ss. 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: July 29, 2016	/s/ Kieran O'Sullivan
	Kieran O'Sullivan
	Chairman, President and Chief Executive Officer

A signed original of this written statement required by Section 906 has been provided to CTS Corporation and will be retained by CTS Corporation and furnished to the Securities and Exchange Commission or its staff upon request.

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

In connection with the quarterly report of CTS Corporation (the Company) on Form 10-Q for the quarter ended June 30, 2016, as filed with the Securities and Exchange Commission on the date hereof (the Report), the undersigned officer of the Company certifies, pursuant to 18 U.S.C. ss. 1350, as adopted pursuant to ss. 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: July 29, 2016	/s/Ashish Agrawal	
	Ashish Agrawal Vice President and Chief Financial Officer	

A signed original of this written statement required by Section 906 has been provided to CTS Corporation and will be retained by CTS Corporation and furnished to the Securities and Exchange Commission or its staff upon request.