UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

)
•

Quarterly report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934
 For the quarterly period ended June 29, 2019

or

Transition report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

For the transition period from______ to_____

Commission File Number 0-7087

ASTRONICS CORPORATION

(Exact name of registrant as specified in its charter)

New York (State or other jurisdiction of incorporation or organization)

16-0959303 (IRS Employer Identification Number)

130 Commerce Way, East Aurora, New York (Address of principal executive offices)

14052 (Zip code)

(716) 805-1599

(Registrant's telephone number, including area code)

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

Title of each classCommon Stock, \$.01 par value per share

Trading Symbol ATRO Name of each exchange on which registered

NASDAQ Stock Market

NOT APPLICABLE

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(g) of the Act: \$.01 par value Common Stock, \$.01 par value Class B Stock (Title of Class)

Table of Contents

	ner the registrant (1) has filed all reports require ject to such filing requirements for the past 90	ted to be filed by Section 13 or 15(d) of the Securities Exchardays. Yes \blacksquare No \square	nge Act of 1934 during the preceding 12
	of Regulation S-T (Section 232.405 of this chap	and posted on its corporate Web site, if any, every Interactive pter) during the preceding 12 months (or for such shorter per	
•	2 2	accelerated filer, or a non-accelerated filer. See definition of any" in Rule 12b-2 of the Exchange Act. (Check one):	"large accelerated filer", an
Large accelerated filer		Accelerated filer \Box	Emerging growth company \square
	Non-accelerated filer	Smaller Reporting Company \square	
If an emerging growth compa accounting standards provide of the Exchange Act. □		s elected not to use the extended transition period for comply	ring with any new or revised financial
Indicate by check mark whe	ther the registrant is a shell company (as define	ed in Rule 12b-2 of the Exchange Act). Yes 🗆 No 🗷	
As of July 31, 2019, 32,675,3 common stock (\$.01 par value		consisting of24,766,477 shares of common stock (\$.01 par va	alue) and7,908,881 shares of Class B

TABLE OF CONTENTS

<u>PART I</u>	FINANCIAL	LINFORMATION	PAGE
	<u>Item 1</u>	Financial Statements:	
		Consolidated Condensed Balance Sheets as of June 29, 2019 and December 31, 2018	<u>3</u>
		 Consolidated Condensed Statements of Operations for the Three and Six Months Ended June 29, 2019 and June 30, 2018 	<u>4</u>
		 Consolidated Condensed Statements of Comprehensive Income for the Three and Six Months Ended June 29, 2019 and June 30, 2018 	<u>5</u>
		 Consolidated Condensed Statements of Cash Flows for the Six Months Ended June 29, 2019 and June 30, 2018 	<u>6</u>
		 Consolidated Condensed Statements of Shareholders' Equity for the Three and Six Months Ended June 29, 2019 and June 30, 2018 	7
		Notes to Consolidated Condensed Financial Statements	9
	Item 2	Management's Discussion and Analysis of Financial Condition and Results of Operations	<u>23</u>
	Item 3	Quantitative and Qualitative Disclosures about Market Risk	<u>29</u>
	<u>Item 4</u>	Controls and Procedures	<u>29</u>
PART II	OTHER INF	CORMATION	
	<u>Item 1</u>	<u>Legal Proceedings</u>	<u>30</u>
	Item 1a	Risk Factors	<u>31</u>
	Item 2	Unregistered Sales of Equity Securities and Use of Proceeds	<u>31</u>
	Item 3	Defaults Upon Senior Securities	<u>31</u>
	<u>Item 4</u>	Mine Safety Disclosures	<u>31</u>
	<u>Item 5</u>	Other Information	<u>31</u>
	Item 6	<u>Exhibits</u>	<u>32</u>
<u>SIGNATURES</u>			<u>33</u>

<u>Part I – Financial Information</u>

Item 1. Financial Statements

ASTRONICS CORPORATION Consolidated Condensed Balance Sheets

June 29, 2019 with Comparative Figures for December 31, 2018 (Unaudited) (In thousands)

Current Assets: Cash and Cash Equivalents \$ 17,106 \$ 16,622 Accounts Receivable, Net of Allowance for Doubtful Accounts 177,102 182,088 Inventories 142,853 138,685 Prepaid Expenses and Other Current Assets 17,877 17,198 Assets Held for Sale - 19,358 Total Current Assets 354,648 374,171 Property, Plant and Equipment, Net of Accumulated Depreciation 117,389 120,802 Other Assets 45,189 21,272 Intangible Assets, Net of Accumulated Amortization 125,039 133,838 Goodwil 125,039 134,858 Total Assets \$ 767,23 774,602 Total Assets \$ 767,23 774,602 Current Liabilities \$ 170 \$ 1,870 Accounted Expenses and Other Current Liabilities \$ 170 \$ 1,870 Accounted Expenses and Other Current Liabilities \$ 170 \$ 1,870 Accrued Expenses and Other Current Liabilities \$ 10,90 \$ 1,870 Current Maturities of Long-term Debt \$ 119,50 \$ 2,880		 June 29, 2019		December 31, 2018	
Cash and Cash Equivalents \$ 17,106 \$ 16,622 Accounts Receivable, Net of Allowance for Doubtful Accounts 177,102 182,308 Inventories 142,853 138,688 Prepaid Expenses and Other Current Assets 17,587 17,198 Assets Held for Sale — 19,358 Total Current Assets 354,648 374,171 Propping Lagingment, Net of Accumulated Depreciation 117,389 120,862 Other Assets 45,189 12,1272 Intangible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 126,939 124,952 Total Assets 7 76,263 7 74,640 Current Liabilities \$ 767,263 7 74,640 Current Maturities of Long-term Debt \$ 1,870 4 7,772 Accounts Payable 42,964 50,664 Accounts Payable 42,964 50,664 Accounted Expenses and Other Current Liabilities 119,590 128,092 Customer Advance Payments and Deferred Revenue 25,002 26,880 Liabilities Held for Sale 119,590					
Accounts Receivable, Net of Allowance for Doubtful Accounts 177,102 182,308 Inventories 142,853 138,685 Prepaid Expenses and Other Current Assets 17,587 17,198 Assets Held for Sale — 19,358 Total Current Assets 354,648 374,171 Property, Plant and Equipment, Net of Accumulated Depreciation 117,389 120,862 Other Assets 45,189 21,272 Intangible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 124,998 124,952 Total Assets \$ 767,263 774,640 Current Liabilities 2 774,640 Current Maturities of Long-term Debt \$ 1,870 4,870 Accounts Payable 42,964 50,664 Accounted Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 19,500 128,002 Total Current Liabilities 119,500 128,002 27,811 Other Liabi		4= 406		46.600	
Inventories 142,853 138,685 Prepaid Expenses and Other Current Assets 17,587 17,198 Assets Held for Sale — 19,388 Total Current Assets 354,648 374,171 Property, Plant and Equipment, Net of Accumulated Depreciation 117,389 120,862 Other Assets 45,189 21,272 Intagible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 124,998 124,952 Total Assets \$ 767,203 774,940 Current Liabilities \$ 170 \$ 1,870 Current Maturities of Long-term Debt \$ 170 \$ 1,870 Accounts Payable \$ 170 \$ 1,870 Accude Expenses and Other Current Liabilities 5 1,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale 115,590 128,002 Long-term Debt \$ 170 122,113 232,112 Current Liabilities 5 1,594 27,811 Liabilities Held for Sale 12,211 32,112 </td <td>-</td> <td>\$ *</td> <td>\$</td> <td>,</td>	-	\$ *	\$,	
Prepaid Expenses and Other Current Assets 17,887 17,188 Assets Held for Sale — 19,358 Total Current Assets 354,648 374,171 Property, Plant and Equipment, Net of Accumulated Depreciation 117,389 120,862 Other Assets 45,189 12,272 Inangible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 124,998 124,952 Total Assets 5 767,263 5 774,640 Current Liabilities 5 77,262 5 774,640 Current Maurities of Long-term Debt \$ 1,870 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 966 122,113 232,112 Other Liabilities 5,054 27,811 Other Liabilities 50,594 27,811 Total Liabilities 50,594 27,811 Other Liabilities 50,594	·				
Assets Held for Sale — 19,388 Total Current Assets 354,648 374,171 Property, Plant and Equipment, Net of Accumulated Depreciation 117,389 120,862 Other Assets 45,189 21,272 Intangible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 124,998 124,952 Total Assets \$ 767,263 \$ 774,640 Current Liabilities \$ 170 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,04 47,72 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 30,594 27,811 Total Liabilities 30,594 27,811 Total Liabilities 30,594 27,811 Total Liabilities 30,504 </td <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>				· · · · · · · · · · · · · · · · · · ·	
Total Current Assets 354,648 374,171 Property, Plant and Equipment, Net of Accumulated Depreciation 117,389 120,862 Other Assets 45,189 21,272 Intangible Assets, Net of Accumulated Amortization 125,039 133,833 Goodwill 124,998 124,952 Total Assets 5 767,263 774,640 Current Liabilities 5 170 \$ 1,870 Accounts Payable 42,964 50,664 Accorued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale 90 119,590 128,092 Long-term Debt 119,590 128,092 Long-term Debt 119,590 27,811 Other Liabilities 50,594 27,811 Total Current Liabilities 50,594 27,811 Other Liabilities 50,594 27,811 Other Fahreloders' Equity 34 34 Other Shareholders' Equity 487,043 399,611 Total S		17,587		17,198	
Property, Plant and Equipment, Net of Accumulated Depreciation 117,389 120,862 Other Assets 45,189 21,272 Intangible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 124,998 124,952 Total Assets \$ 767,263 \$ 774,640 Current Liabilities: Current Maturities of Long-term Debt \$ 170 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — — 906 980 Total Current Liabilities 119,590 128,092 Long-term Debt 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 50,594 27,811 Total Liabilities 343 343 Shareholders' Equity 344 343 Common Stock 344 343 Accumula	Assets Held for Sale	 _		19,358	
Other Assets 45,189 21,272 Intangible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 124,998 124,952 Total Assets \$ 767,263 774,640 Current Liabilities *** *** *** *** *** *** *** *** *** *** ** ***	Total Current Assets	354,648		374,171	
Intangible Assets, Net of Accumulated Amortization 125,039 133,383 Goodwill 124,998 124,952 Total Assets \$ 767,263 \$ 774,640 Current Liabilities: \$ 170 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 50,594 27,811 Total Liabilities 50,594 27,811 Shareholders' Equity 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Property, Plant and Equipment, Net of Accumulated Depreciation	117,389		120,862	
Goodwill 124,998 124,952 Total Assets \$ 767,262 \$ 774,640 Current Liabilities: \$ 170 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 50,594 27,811 Total Liabilities 343 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Other Assets	45,189		21,272	
Total Assets \$ 767,263 \$ 774,640 Current Liabilities: \$ 170 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 50,594 27,811 Total Liabilities 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Intangible Assets, Net of Accumulated Amortization	125,039		133,383	
Current Liabilities: S 170 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Goodwill	124,998		124,952	
Current Maturities of Long-term Debt \$ 170 \$ 1,870 Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 50,594 27,811 Total Liabilities 344 343 Shareholders' Equity 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Total Assets	\$ 767,263	\$	774,640	
Accounts Payable 42,964 50,664 Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Current Liabilities:	 			
Accrued Expenses and Other Current Liabilities 51,054 47,772 Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: — Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Current Maturities of Long-term Debt	\$ 170	\$	1,870	
Customer Advance Payments and Deferred Revenue 25,402 26,880 Liabilities Held for Sale — 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Accounts Payable	42,964		50,664	
Liabilities Held for Sale — 906 Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: - (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Accrued Expenses and Other Current Liabilities	51,054		47,772	
Total Current Liabilities 119,590 128,092 Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Customer Advance Payments and Deferred Revenue	25,402		26,880	
Long-term Debt 122,113 232,112 Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Liabilities Held for Sale	_		906	
Other Liabilities 50,594 27,811 Total Liabilities 292,297 388,015 Shareholders' Equity: Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Total Current Liabilities	119,590		128,092	
Total Liabilities 292,297 388,015 Shareholders' Equity: Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Long-term Debt	122,113		232,112	
Shareholders' Equity: Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Other Liabilities	50,594		27,811	
Common Stock 344 343 Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Total Liabilities	292,297		388,015	
Accumulated Other Comprehensive Loss (12,421) (13,329) Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Shareholders' Equity:	_			
Other Shareholders' Equity 487,043 399,611 Total Shareholders' Equity 474,966 386,625	Common Stock	344		343	
Total Shareholders' Equity 474,966 386,625	Accumulated Other Comprehensive Loss	(12,421)		(13,329)	
	Other Shareholders' Equity	487,043		399,611	
Total Liabilities and Shareholders' Equity \$ 767,263 \$ 774,640	Total Shareholders' Equity	 474,966		386,625	
	Total Liabilities and Shareholders' Equity	\$ 767,263	\$	774,640	

ASTRONICS CORPORATION

Consolidated Condensed Statements of Operations

Three and Six Months Ended June 29, 2019 With Comparative Figures for 2018

(Unaudited) (In thousands, except per share data)

	Six Mor	ths Ended	Three Months Ended			
	June 29, 2019	June 30, 2018	June 29, 2019	June 30, 2018		
Sales	\$ 397,272	\$ 387,665	\$ 189,098	\$ 208,606		
Cost of Products Sold	304,832	300,961	148,735	159,034		
Gross Profit	92,440	86,704	40,363	49,572		
Selling, General and Administrative Expenses	58,986	59,943	29,790	29,443		
Income from Operations	33,454	26,761	10,573	20,129		
Gain on Sale of Business	80,133	_	_	_		
Other Expense, Net of Other Income	733	838	518	463		
Interest Expense, Net of Interest Income	3,029	4,815	1,225	2,484		
Income Before Income Taxes	109,825	21,108	8,830	17,182		
Provision for Income Taxes	24,953	3,789	2,104	3,157		
Net Income	\$ 84,872	\$ 17,319	\$ 6,726	\$ 14,025		
Earnings Per Share:						
Basic	\$ 2.60	\$ 0.54	\$ 0.21	\$ 0.43		
Diluted	\$ 2.56	\$ 0.52	\$ 0.20	\$ 0.42		

ASTRONICS CORPORATION

Consolidated Condensed Statements of Comprehensive Income

Three and Six Months Ended June 29, 2019 With Comparative Figures for 2018

(Unaudited) (În thousands)

	Six Mont	hs Ended	Three Months Ended			
	June 29, 2019	June 30, 2018	June 29, 2019	June 30, 2018		
Net Income	\$ 84,872	\$ 17,319	\$ 6,726	\$ 14,025		
Other Comprehensive Income (Loss):						
Foreign Currency Translation Adjustments	614	(1,572)	884	(1,805)		
Retirement Liability Adjustment - Net of Tax	294	430	144	215		
Total Other Comprehensive Income (Loss)	908	(1,142)	1,028	(1,590)		
Comprehensive Income	\$ 85,780	\$ 16,177	\$ 7,754	\$ 12,435		

ASTRONICS CORPORATION

Consolidated Condensed Statements of Cash Flows

Six Months Ended June 29, 2019 With Comparative Figures for 2018

(Unaudited)

(In thousands)

		Six Months I	Ended	
	Jun	ne 29, 2019	June 30, 2018	
Cash Flows From Operating Activities:				
Net Income	\$	84,872 \$	17,319	
Adjustments to Reconcile Net Income to Cash Provided By Operating Activities:				
Depreciation and Amortization		15,980	18,584	
Provisions for Non-Cash Losses on Inventory and Receivables		4,429	1,819	
Equity-based Compensation Expense		2,145	1,637	
Deferred Tax Benefit		(3,371)	(516	
Gain on Sale of Business, Before Taxes		(80,133)	_	
Other		263	(431	
Cash Flows from Changes in Operating Assets and Liabilities:				
Accounts Receivable		5,266	(33,347	
Inventories		(11,276)	(19,761	
Accounts Payable		(7,685)	7,981	
Accrued Expenses		(9,141)	53	
Other Current Assets and Liabilities		(975)	(404	
Customer Advanced Payments and Deferred Revenue		(1,234)	14,469	
Income Taxes		9,181	(189	
Supplemental Retirement and Other Liabilities		735	896	
Cash Provided By Operating Activities		9,056	8,110	
Cash Flows From Investing Activities:				
Proceeds on Sale of Business		103,793	_	
Capital Expenditures		(6,917)	(8,495	
Cash Provided By (Used For) Investing Activities		96,876	(8,495	
Cash Flows From Financing Activities:				
Proceeds from Long-term Debt		27,000	30,015	
Payments for Long-term Debt		(132,053)	(36,416	
Debt Acquisition Costs		_	(516	
Proceeds from Exercise of Stock Options		416	281	
Other Financing Activities		(834)	_	
Cash Used For Financing Activities		(105,471)	(6,636	
Effect of Exchange Rates on Cash		23	(285	
Increase (Decrease) in Cash and Cash Equivalents		484	(7,306	
Cash and Cash Equivalents at Beginning of Period		16,622	17,914	
Cash and Cash Equivalents at End of Period	\$	17,106 \$	10,608	

ASTRONICS CORPORATION

Consolidated Condensed Statements of Shareholders' Equity

Three and Six Months Ended June 29, 2019 With Comparative Figures for 2018

(Unaudited)

(In thousands)

	Six Months Ended			Three Months Ended		
	June 29, 2019		June 30, 2018	June 29, 2019		June 30, 2018
Common Stock			_			
Beginning of Period	\$ 260	\$	229	\$ 262	\$	231
Exercise of Stock Options and Equity-based Compensation Expense – Net of Taxes	1		_	1		_
Class B Stock Converted to Common Stock	3		3	1		1
End of Period	\$ 264	\$	232	\$ 264	\$	232
Convertible Class B Stock						
Beginning of Period	\$ 83	\$	111	\$ 81	\$	109
Exercise of Stock Options and Equity-based Compensation Expense – Net of Taxes	_		1	_		1
Class B Stock Converted to Common Stock	(3)		(3)	(1)		(1)
End of Period	\$ 80	\$	109	\$ 80	\$	109
Additional Paid in Capital			_			
Beginning of Period	\$ 73,044	\$	67,748	\$ 74,396	\$	68,839
Exercise of Stock Options and Equity-based Compensation Expense - Net of Taxes	2,560		1,917	1,208		826
End of Period	\$ 75,604	\$	69,665	\$ 75,604	\$	69,665
Accumulated Comprehensive Loss	 			 		
Beginning of Period	\$ (13,329)	\$	(13,352)	\$ (13,449)	\$	(14,277)
Adoption of ASU 2018-02	_		(1,373)	_		_
Foreign Currency Translation Adjustments	614		(1,572)	884		(1,805)
Retirement Liability Adjustment – Net of Taxes	294		430	144		215
End of Period	\$ (12,421)	\$	(15,867)	\$ (12,421)	\$	(15,867)
Retained Earnings						
Beginning of Period	\$ 376,567	\$	325,191	\$ 454,713	\$	333,126
Adoption of ASU 2018-02	_		1,373	_		_
Adoption of ASU 2014-09	_		3,268	_		_
Net income	84,872		17,319	6,726		14,025
End of Period	\$ 461,439	\$	347,151	\$ 461,439	\$	347,151
Treasury Stock						
Beginning of Period	\$ (50,000)	\$	(50,000)	\$ (50,000)	\$	(50,000)
Purchase of Shares	_		_	_		_
Retirement of Treasury Shares	_		_	_		_
End of Period	\$ (50,000)	\$	(50,000)	\$ (50,000)	\$	(50,000)
Total Shareholders' Equity	\$ 474,966	\$	351,290	\$ 474,966	\$	351,290

ASTRONICS CORPORATION

Consolidated Condensed Statements of Shareholders' Equity, Continued Three and Six Months Ended June 29, 2019 With Comparative Figures for 2018 (Unaudited) (In thousands)

	Six Months	Ended	Three Months	s Ended
	June 29, 2019	June 30, 2018	June 29, 2019	June 30, 2018
Common Stock				
Beginning of Period	25,978	22,861	26,178	23,106
Exercise of Stock Options	34	26	13	7
Class B Stock Converted to Common Stock	331	332	152	106
End of Period	26,343	23,219	26,343	23,219
Convertible Class B Stock				
Beginning of Period	8,290	11,083	8,146	10,891
Exercise of Stock Options	48	38	13	4
Class B Stock Converted to Common Stock	(331)	(332)	(152)	(106)
End of Period	8,007	10,789	8,007	10,789
Treasury Stock				
Beginning of Period	(1,675)	(1,675)	(1,675)	(1,675)
Purchase of Shares	_	_	_	_
Retirement of Treasury Shares	_	_	_	_
End of Period	(1,675)	(1,675)	(1,675)	(1,675)

ASTRONICS CORPORATION Notes to Consolidated Condensed Financial Statements

June 29, 2019 (Unaudited)

1) Basis of Presentation

The accompanying unaudited statements have been prepared in accordance with U.S. generally accepted accounting principles for interim financial information. Accordingly, they do not include all of the information and footnotes required by U.S. generally accepted accounting principles for complete financial statements. In the opinion of management, all adjustments, consisting of normal recurring accruals, considered necessary for a fair presentation have been included.

Share quantities and per share data reported have been restated to reflect the impact of the three-for-twenty Class B stock distribution to shareholders of record on October 12, 2018.

Operating Results

The results of operations for any interim period are not necessarily indicative of results for the full year. Operating results for the six months ended June 29, 2019 are not necessarily indicative of the results that may be expected for the year ending December 31, 2019.

The balance sheet at December 31, 2018 has been derived from the audited financial statements at that date, but does not include all of the information and footnotes required by U.S. generally accepted accounting principles ("GAAP") for complete financial statements.

For further information, refer to the financial statements and footnotes thereto included in Astronics Corporation's 2018 annual report on Form 10-K.

Description of the Business

Astronics Corporation ("Astronics" or the "Company") is a leading provider of advanced technologies to the global aerospace, defense and electronics industries. Our products and services include advanced, high-performance electrical power generation, distribution and motion systems, lighting and safety systems, avionics products, systems and certification, aircraft structures and automated test systems.

We have operations in the United States ("U.S."), Canada and France. We design and build our products through our wholly owned subsidiaries Astronics Advanced Electronic Systems Corp. ("AES"); Astronics AeroSat Corporation ("AeroSat"); Armstrong Aerospace, Inc. ("Armstrong"); Astronics Test Systems, Inc. ("ATS"); Ballard Technology, Inc. ("Ballard"); Astronics Connectivity Systems and Certification Corp. ("CSC"); Astronics Custom Control Concepts Inc. ("CCC"); Astronics DME LLC ("DME"); Luminescent Systems, Inc. ("LSI"); Luminescent Systems Canada, Inc. ("LSI Canada"); Max-Viz, Inc. ("Max-Viz"); Peco, Inc. ("Peco"); and PGA Electronic s.a. ("PGA"). On July 1, 2019, the Company acquired all of the issued and outstanding capital stock of Freedom Communication Technologies, Inc. ("FCT").

On February 13, 2019, the Company completed a divestiture of its semiconductor test business within the Test Systems segment. The total proceeds of the divestiture amounted to \$103.8 million. The Company recorded a pre-tax gain on the sale of \$80.1 million in the first quarter of 2019. The income tax expense relating to the gain is expected to be \$21.3 million.

On July 1, 2019, the Company acquired all of the issued and outstanding capital stock of FCT. FCT, located in Kilgore, Texas, is a leader in wireless communication testing, primarily for the civil land mobile radio market. Freedom will be included in our Test Systems segment. The total consideration for the transaction was \$22.0 million in cash. The purchase price allocation for this acquisition is not determinable as the fair value valuation of assets and liabilities is not complete. The Company expects to complete a preliminary allocation during the third quarter of 2019. Purchased intangible assets and goodwill are not deductible for tax purposes.

On July 12, 2019, the Company sold intellectual property and certain assets associated with its Airfield Lighting product line for \$1.0 million in cash. The transaction did not meet the criteria for the assets to be classified as held for sale at June 29, 2019. The Airfield Lighting product line, part of the Aerospace segment, represented less than 1% of the our 2018 revenue. The Company expects to record a loss on sale of approximately \$1.3 million in the 2019 third quarter.

Cost of Products Sold, Engineering and Development, Interest, and Selling, General and Administrative Expenses

Cost of products sold includes the costs to manufacture products such as direct materials and labor and manufacturing overhead as well as all engineering and development costs. The Company is engaged in a variety of engineering and design activities as well as basic research and development activities directed to the substantial improvement or new application of the Company's existing technologies. These costs are expensed when incurred and included in cost of products sold. Research and development, design and related engineering amounted to \$27.7 million and \$28.9 million for the three months ended and \$54.4 million and \$57.8 million for the six months ended June 29, 2019 and June 30, 2018, respectively. Selling, general and administrative expenses include costs primarily related to our sales and marketing departments and administrative departments. Interest expense is shown net of interest income. Interest income was insignificant for the three and six months ended June 29, 2019 and June 30, 2018.

Foreign Currency Translation

The aggregate transaction gain or loss included in operations was insignificant for the three and six months ended June 29, 2019 and June 30, 2018.

Newly Adopted and Recent Accounting Pronouncements

During the first quarter of 2018, the Company early-adopted ASU No. 2018-02, Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income, which allows for a reclassification from accumulated other comprehensive income (loss) to retained earnings for stranded tax effects resulting from the Tax Cuts and Jobs Act. The Company applied the guidance as of the beginning of the period of adoption and reclassified approximately \$1.4 million from accumulated other comprehensive loss to retained earnings due to the change in federal corporate tax rate.

In February 2016, the FASB issued ASU No. 2016-02, Leases. ASU 2016-02 required entities to adopt the new standard using a modified retrospective method and initially apply the related guidance at the beginning of the earliest period presented in the financial statements. During July 2018, the FASB issued ASU 2018-11, which allows for an additional and optional transition method under which an entity would record a cumulative-effect adjustment at the beginning of the period of adoption ("cumulative-effect method").

We have adopted this guidance as of January 1, 2019 using the cumulative-effect method. The standard requires lessees to recognize a lease liability and a right-of-use ("ROU") asset on the balance sheet for operating leases. Accounting for finance leases is substantially unchanged. Prior year financial statements were not recast under the new method. We elected the package of transition provisions available for expired or existing contracts, which allowed us to carryforward our historical assessments of (1) whether contracts are or contain leases, (2) lease classification and (3) initial direct costs.

The implementation of this standard did not have a material effect on our financial statements. As of January 1, 2019, ROU assets of approximately \$8.4 million and lease liabilities of approximately \$18.5 million were recognized on our balance sheet for our leased office and manufacturing facilities and equipment leases. There was a reclassification to ROU assets of approximately \$3.5 million from net property plant and equipment for assets under existing finance leases at the transition date. The standards did not impact the Company's consolidated statements of operations or retained earnings. Refer to Note 9 for additional information.

In June 2016, the FASB issued ASU 2016-13, Financial Instruments - Credit Losses (Topic 326), Measurement of Credit Losses on Financial Instruments. This standard requires that an entity measure impairment of certain financial instruments, including trade receivables, based on expected losses rather than incurred losses. In November 2018, the FASB issued ASU 2018-19 which clarifies the guidance in ASU 2016-13. The provisions of this ASU are effective for years beginning after December 15, 2019, with early adoption permitted. We are currently evaluating the impact of this ASU. We do not expect this ASU to have a significant impact on our consolidated financial statements.

In August 2018, the FASB issued ASU 2018-13, Changes to the Disclosure Requirements for Fair Value Measurement The new standard removes the disclosure requirements for the amount of and reasons for transfers between Level 1 and Level 2 of the fair value hierarchy. The provisions of this ASU are effective for years beginning after December 15, 2019, with early adoption permitted. We do not expect this ASU to have a significant impact on our consolidated financial statements, as it only includes changes to disclosure requirements.

In August 2018, the FASB issued ASU 2018-14, Changes to the Disclosure Requirements for Defined Benefit Plans. The new standard includes updates to the disclosure requirements for defined benefit plans including several additions, deletions and modifications to the disclosure requirements. The provisions of this ASU are effective for years beginning after December 15, 2020, with early adoption permitted. We are currently evaluating the impact of this ASU.

Table of Contents

2) Revenue

ASU 2014-09 was adopted on January 1, 2018 using the modified retrospective method, which required the recognition of the cumulative effect of the transition as an adjustment to retained earnings. We recognized a transition adjustment of \$3.3 million, net of tax effects, which increased our January 1, 2018 retained earnings.

Revenue is recognized when, or as, the Company transfers control of promised products or services to a customer in an amount that reflects the consideration the Company expects to be entitled in exchange for transferring those products or services. Sales shown on the Company's Condensed Consolidated Statements of Operations are from contracts with customers.

Payment terms and conditions vary by contract, although terms generally include a requirement of payment within a range from 30 to 60 days after the performance obligation has been satisfied; or in certain cases, up-front deposits. In circumstances where the timing of revenue recognition differs from the timing of invoicing, the Company has determined that the Company's contracts generally do not include a significant financing component. Taxes collected from customers, which are subsequently remitted to governmental authorities, are excluded from sales.

The Company recognizes an asset for the incremental, material costs of obtaining a contract with a customer if the Company expects the benefit of those costs to be longer than one year and the costs are expected to be recovered. These incremental costs include, but are not limited to, sales commissions incurred to obtain a contract with a customer. As of June 29, 2019, the Company does not have material incremental costs on any open contracts with an original expected duration of greater than one year, and therefore such costs are expensed as incurred.

The Company recognizes an asset for certain, material costs to fulfill a contract if it is determined that the costs relate directly to a contract or anticipated contracts that can be specifically identified, generate or enhance resources that will be used in satisfying performance obligations in the future, and are expected to be recovered. Such costs are amortized on a systematic basis that is consistent with the transfer to the customer of the goods to which the asset relates. Start-up costs are expensed as incurred. Capitalized fulfillment costs are included in Inventories in the accompanying Consolidated Condensed Balance Sheets. Should future orders not materialize or it is determined the costs are no longer probable of recovery, the capitalized costs are written off. As of June 29, 2019, the Company does not have material capitalized fulfillment costs.

A performance obligation is a promise in a contract to transfer a distinct good or service to the customer, and is the unit of account. A contract's transaction price is allocated to each distinct performance obligation and recognized as revenue when, or as, the performance obligation is satisfied. The majority of our contracts have a single performance obligation as the promise to transfer the individual goods or services is not separately identifiable from other promises in the contracts which are, therefore, not distinct. Promised goods or services that are immaterial in the context of the contract are not separately assessed as performance obligations.

Some of our contracts have multiple performance obligations, most commonly due to the contract covering multiple phases of the product lifecycle (development, production, maintenance and support). For contracts with multiple performance obligations, the contract's transaction price is allocated to each performance obligation using our best estimate of the standalone selling price of each distinct good or service in the contract. The primary method used to estimate standalone selling price is the expected cost plus margin approach, under which expected costs are forecast to satisfy a performance obligation and then an appropriate margin is added for that distinct good or service. Shipping and handling activities that occur after the customer has obtained control of the good are considered fulfillment activities, not performance obligations.

Some of our contracts offer price discounts or free units after a specified volume has been purchased. The Company evaluates these options to determine whether they provide a material right to the customer, representing a separate performance obligation. If the option provides a material right to the customer, revenue is allocated to these rights and recognized when those future goods or services are transferred, or when the option expires.

Contract modifications are routine in the performance of our contracts. Contracts are often modified to account for changes in contract specifications or requirements. In most instances, contract modifications are for goods or services that are distinct, and, therefore, are accounted for as new contracts. The aggregate effect of all modifications have been reflected when identifying the satisfied and unsatisfied performance obligations, determining the transaction price and allocating the transaction price.

The majority of the Company's revenue from contracts with customers is recognized at a point in time, when the customer obtains control of the promised product, which is generally upon delivery and acceptance by the customer. These contracts may provide credits or incentives, which may be accounted for as variable consideration. Variable consideration is estimated at the most likely amount to predict the consideration to which the Company will be entitled, and only to the extent it is probable that a subsequent change in estimate will not result in a significant revenue reversal when estimating the amount of revenue to recognize. Variable consideration is treated as a change to the sales transaction price and based on an assessment of all

Table of Contents

information (i.e., historical, current and forecasted) that is reasonably available to the Company, and estimated at contract inception and updated at the end of each reporting period as additional information becomes available. Most of our contracts do not contain rights to return product; where this right does exist, it is evaluated as possible variable consideration.

For contracts that are subject to the requirement to accrue anticipated losses, the company recognizes the entire anticipated loss in the period that the loss becomes probable.

For contracts with customers in which the Company satisfies a promise to the customer to provide a product that has no alternative use to the Company and the Company has enforceable rights to payment for progress completed to date inclusive of profit, the Company satisfies the performance obligation and recognizes revenue over time, using costs incurred to date relative to total estimated costs at completion to measure progress toward satisfying our performance obligations. Incurred cost represents work performed, which corresponds with, and thereby best depicts, the transfer of control to the customer. Contract costs include labor, material and overhead.

The Company also recognizes revenue from service contracts (including service-type warranties) over time. The Company recognizes revenue over time during the term of the agreement as the customer is simultaneously receiving and consuming the benefits provided throughout the Company's performance. Therefore, due to control transferring over time, the Company typically recognizes revenue on a straight-line basis throughout the contract period.

On June 29, 2019, we had \$379.7 million of remaining performance obligations, which we refer to as total backlog. We expect to recognize approximately \$263.9 million of our remaining performance obligations as revenue in 2019. The Company has not recognized any material amount of revenue from performance obligations that were satisfied or partially satisfied in previous periods.

Costs in excess of billings includes unbilled amounts resulting from revenues under contracts with customers that are satisfied over time and when the cost-to-cost measurement method of revenue recognition is utilized and revenue recognized exceeds the amount billed to the customer, and right to payment is not just subject to the passage of time. Amounts may not exceed their net realizable value. Costs in excess of billings are classified as current assets, within Accounts Receivable, Net of Allowance for Doubtful Accounts on our Consolidated Condensed Balance Sheet.

Billings in excess of cost includes billings in excess of revenue recognized as well as deferred revenue, which includes advanced payments, up-front payments, and progress billing payments. Billings in excess of cost are classified as current liabilities, reported in our Consolidated Condensed Balance Sheet within Customer Advance Payments and Deferred Revenue. To determine the revenue recognized in the period from the beginning balance of billings in excess of cost, the contract liability as of the beginning of the period is recognized as revenue on a contract-by-contract basis when the Company satisfies the performance obligation related to the individual contract. Once the beginning contract liability balance for an individual contract has been fully recognized as revenue, any additional payments received in the period are recognized as revenue once the related costs have been incurred.

We recognized \$7.8 million and \$8.4 million during the three months ended June 29, 2019 and June 30, 2018, respectively, and \$13.2 million and \$11.6 million for the six months ended June 29, 2019 and June 30, 2018, respectively, in revenues that were included in the contract liability balance at the beginning of the period.

The Company's contract assets and contract liabilities consist primarily of costs in excess of billings and billings in excess of cost, respectively. The following table presents the beginning and ending balances of contract assets and contract liabilities during the six months ended June 29, 2019:

(In thousands)	Contract Assets	Contract Liabilities
Beginning Balance, January 1, 2019	\$ 33,030 \$	27,347
Ending Balance, June 29, 2019	\$ 36,223 \$	26,050

The following table presents our revenue disaggregated by Market Segments as follows:

	Six Mon	ths Ended	Three Months Ended			
(In thousands)	June 29, 2019	June 30, 2018	June 29, 2019	June 30, 2018		
Aerospace Segment						
Commercial Transport	\$ 271,509	\$ 265,847	\$ 129,731	\$ 132,797		
Military	40,498	30,285	19,545	16,270		
Business Jet	37,123	21,002	17,286	10,338		
Other	13,658	13,670	7,725	6,799		
Aerospace Total	362,788	330,804	174,287	166,204		
Test Systems Segment						
Semiconductor	5,596	38,465	2,242	31,405		
Aerospace & Defense	28,888	18,396	12,569	10,997		
Test Systems Total	34,484	56,861	14,811	42,402		
Total	\$ 397,272	\$ 387,665	\$ 189,098	\$ 208,606		

The following table presents our revenue disaggregated by Product Lines as follows:

	Six Months Ended			Three Months Ended			
(In thousands)	June 29, 2019		June 30, 2018		June 29, 2019		June 30, 2018
Aerospace Segment							
Electrical Power & Motion	\$ 176,579	\$	140,321	\$	84,042	\$	67,643
Lighting & Safety	95,375		85,763		46,770		44,121
Avionics	59,543		69,295		25,682		36,272
Systems Certification	5,666		9,655		4,048		4,872
Structures	11,967		12,100		6,020		6,497
Other	13,658		13,670		7,725		6,799
Aerospace Total	 362,788		330,804		174,287		166,204
Test Systems	34,484		56,861		14,811		42,402
Total	\$ 397,272	\$	387,665	\$	189,098	\$	208,606

3) Inventories

Inventories are as follows:

(In thousands)	J	une 29, 2019	December 31, 2018		
Finished Goods	\$	30,847	\$	33,100	
Work in Progress		26,641		27,409	
Raw Material		85,365		78,176	
	\$	142,853	\$	138,685	

Additionally, net Inventories of \$14,385 are classified in Assets Held for Sale at December 31, 2018. Refer to Note 18.

4) Property, Plant and Equipment

Property, Plant and Equipment are as follows:

(In thousands)	June 29, 2019	December 31, 2018
Land	\$ 11,185	\$ 11,191
Buildings and Improvements	76,670	83,812
Machinery and Equipment	111,937	106,327
Construction in Progress	6,072	6,404
	205,864	207,734
Less Accumulated Depreciation	88,475	86,872
	\$ 117,389	\$ 120,862

Additionally, net Property, Plant and Equipment of \$3,521 are classified in Assets Held for Sale at December 31, 2018. Refer to Note 18.

5) Intangible Assets

The following table summarizes acquired intangible assets as follows:

		June 29, 2019				December 31, 2018			
(In thousands)	Weighted Average Life	Gross Carrying Amount		Accumulated Amortization		Gross Carrying Amount		Accumulated Amortization	
Patents	11 years	\$ 2,146	\$	1,760	\$	2,146	\$	1,716	
Non-compete Agreement	4 years	10,900		6,177		10,900		4,680	
Trade Names	10 years	11,449		5,716		11,454		5,182	
Completed and Unpatented Technology	10 years	36,396		16,761		36,406		14,964	
Customer Relationships	15 years	136,878		42,316		136,894		37,875	
Total Intangible Assets	13 years	\$ 197,769	\$	72,730	\$	197,800	\$	64,417	

Additionally, net Intangible Assets of \$651 are classified in Assets Held for Sale at December 31, 2018. Refer to Note 18.

All acquired intangible assets other than goodwill and one trade name are being amortized. Amortization expense for acquired intangibles is summarized as follows:

	Six Months Ended				Three Months Ended				
(In thousands)		June 29, 2019		June 30, 2018		June 29, 2019		June 30, 2018	
Amortization Expense	\$	8,352	\$	10,868	\$	4,128	\$	4,867	

Amortization expense for acquired intangible assets expected for 2019 and for each of the next five years is summarized as follows:

(In thousands)	
2019	\$ 16,628
2020	15,903
2021	13,993
2022	13,569
2023	12,402
2024	10,931

6) Goodwill

The following table summarizes the changes in the carrying amount of goodwill for the six months ended June 29, 2019:

(In thousands)	December 31, 2018	Acquisition/Adjustments	Foreign Currency Translation	June 29, 2019
Aerospace	\$ 124,952	\$ _	\$ 46	\$ 124,998
Test Systems	_	_	_	_
	\$ 124,952	\$ _	\$ 46	\$ 124,998

7) Long-term Debt and Notes Payable

The Company's Fourth Amended and Restated Credit Agreement (the "Original Facility") provided for a \$350 million revolving credit line with the option to increase the line by up to \$150 million. The maturity date of the Original Facility was January 13, 2021. On February 16, 2018, the Company modified and extended the Original Facility by entering into the Fifth Amended and Restated Credit Agreement (the "Agreement"), which provides for a \$500 million revolving credit line with the option to increase the line by up to \$150 million. A new lender was added to the facility as well. The outstanding balance of the Original Facility was rolled into the Agreement on the date of closing. The maturity date of the loans under the Agreement is February 16, 2023. At June 29, 2019, there was \$122.0 million outstanding on the revolving credit facility and there remains \$376.9 million available, net of outstanding letters of credit. The credit facility allocates up to \$20 million of the \$500 million revolving credit line for the issuance of letters of credit, including certain existing letters of credit. At June 29, 2019, outstanding letters of credit totaled \$1.1 million.

The maximum permitted leverage ratio of funded debt to Adjusted EBITDA (as defined in the Agreement) is 3.75 to 1, increasing to 4.50 to 1 for up to four fiscal quarters following the closing of an acquisition permitted under the Agreement, subject to limitations. The Company is in compliance with its financial covenant at June 29, 2019. The Company will pay interest on the unpaid principal amount of the facility at a rate equal to one-, three- or six-month LIBOR plus between 1.00% and 1.50% based upon the Company's leverage ratio. The Company will also pay a commitment fee to the Lenders in an amount equal to between 0.10% and 0.20% on the undrawn portion of the credit facility, based upon the Company's leverage ratio.

The Company's obligations under the Credit Agreement as amended are jointly and severally guaranteed by each domestic subsidiary of the Company other than a non-material subsidiary. The obligations are secured by a first priority lien on substantially all of the Company's and the guarantors' assets.

In the event of voluntary or involuntary bankruptcy of the Company or any subsidiary, all unpaid principal and other amounts owing under the Credit Agreement automatically become due and payable. Other events of default, such as failure to make payments as they become due and breach of financial and other covenants, change of control, judgments over a certain amount, and cross default under other agreements give the Agent the option to declare all such amounts immediately due and payable.

8) Product Warranties

In the ordinary course of business, the Company warrants its products against defects in design, materials and workmanship typically over periods ranging from 12 to 60 months. The Company determines warranty reserves needed by product line based on experience and current facts and circumstances. Activity in the warranty accrual is summarized as follows:

	Six Mont	hs Ended	Three Months Ended			
(In thousands)	 June 29, 2019	June 30, 2018	June 29, 2019	June 30, 2018		
Balance at Beginning of Period	\$ 5,027	\$ 5,136	\$ 4,829	\$ 5,115		
Warranties Divested in Sale of Business	(123)	_	_	_		
Warranties Issued	1,245	1,301	716	734		
Warranties Settled	(1,180)	(1,285)	(592)	(645)		
Reassessed Warranty Exposure	(163)	28	(147)	(24)		
Balance at End of Period	\$ 4,806	\$ 5,180	\$ 4,806	\$ 5,180		

9) Leases

The Company has operating and finance leases for leased office and manufacturing facilities and equipment leases. At inception of arrangements with vendors, the Company determines whether the contract is or contains a lease based on each party's rights and obligations under the arrangement. At inception, any new additional operating lease liabilities and corresponding ROU assets are based on the present value of the remaining minimum rental payments. If the lease arrangement also contains non-lease components, the Company elected the practical expedient not to separate any combined lease and non-lease components for all lease contracts. For our real estate leases, the remaining fixed minimum rental payments used in the calculation of the new lease liability, include fixed payments and variable payments (if the variable payments are based on an index), over the remaining lease term. While we do have real estate leases with options to purchase the facility at a market value at the date of exercise, these are not included in the calculation of the lease liability, as these options are not expected to be exercised as of the January 1, 2019 transition date.

The present value of the Company's lease liability at transition was calculated using a weighted-average incremental borrowing rate of 6.7%. In determining the incremental borrowing rate, we have considered borrowing data for secured debt obtained from our lending institution as of the transition date. As of June 29, 2019, the Company recognized an operating right-of-use asset and lease liability of approximately \$22.1 million and \$22.3 million, respectively. The Company's operating lease liability increased approximately \$0.1 million and \$5.6 million as a result of acquiring right-of-use-assets from new leases entered into during the three and six months ended June 29, 2019. As of June 29, 2019, the Company recognized a financing right-of-use asset and lease liability of approximately \$3.0 million and \$5.6 million, respectively. No new financing lease liabilities were not entered into during the three and six months ended June 29, 2019. The right-of-use asset is included within Other assets in the Consolidated Condensed Balance Sheets, while the lease liability is included within Other current liabilities and Other liabilities, as appropriate.

As permitted by ASC 842, leases with expected durations of less than 12 months from inception (i.e. short-term leases) were excluded from the Company's calculation of its lease liability and right-of-use asset. Furthermore, as permitted by ASC 842, the Company elected to apply the package of practical expedients, which allows companies not to reassess: (a) whether its expired or existing contracts are or contain leases, (b) the lease classification for any expired or existing leases, and (c) initial direct costs for any existing leases.

The following is a summary of the Company's total lease costs:

	Six	months ended	Three months ended	
(In thousands)	Jı	June 29, 2019		June 29, 2019
Finance Lease Cost:	'			
Amortization of Right-of-use Assets	\$	510	\$	255
Interest on Lease Liabilities		167		81
Total Finance Lease Cost		677		336
Operating Lease Cost		2,406		1,201
Variable Lease Cost		679		309
Short-term Lease Cost (excluding month-to-month)		85		38
Less Sublease and Rental Income		(517)		(305)
Total Operating Lease Cost	\$	2,653	\$	1,243
Total Net Lease Cost	\$	3,330	\$	1,579

The following is a summary of cash paid for amounts included in the measurement of lease liabilities:

	Six months ended
(In thousands)	 June 29, 2019
Operating Cash Flows Used for Finance Leases	\$ 677
Operating Cash Flows Used for Operating Leases	\$ 1,731
Financing Cash Flows Used for Finance Leases	\$ 834

The weighted-average remaining term for the Company's operating and financing leases are approximately 8 years and 3 years, respectively.

The following is a summary of the Company's maturity of lease liabilities:

(In thousands)	Operating Leases	Financing Leases	
2019	\$ 2,284	\$ 1,045	
2020	3,992	2,128	
2021	3,646	2,180	
2022	3,233	743	
2023	2,618	_	
Thereafter	10,038	_	
Total Lease Payments	\$ 25,811	\$ 6,096	
Less: Interest	3,471	453	
Total Lease Liability	\$ 22,340	\$ 5,643	

10) Income Taxes

The effective tax rates were approximately 22.7% and 18.0% for the six months ended and 23.8% and 18.4% for the three months ended June 29, 2019 and June 30, 2018, respectively. The 2019 tax rate was unfavorably impacted by state income taxes, which was partially offset by the federal research and development tax credit.

11) Earnings Per Share

Basic and diluted weighted-average shares outstanding are as follows:

	Six Months	s Ended	Three Mon	ths Ended
(In thousands)	June 29, 2019	June 30, 2018	June 29, 2019	June 30, 2018
Weighted Average Shares - Basic	32,640	32,298	32,665	32,313
Net Effect of Dilutive Stock Options	553	770	510	809
Weighted Average Shares - Diluted	33,193	33,068	33,175	33,122

The above prior-year information has been adjusted to reflect the impact of the three-for-twenty Class B stock distribution to shareholders of record on October 12, 2018.

Stock options with exercise prices greater than the average market price of the underlying common shares are excluded from the computation of diluted earnings per share because they are out-of-the-money and the effect of their inclusion would be anti-dilutive. The number of common shares covered by out-of-the-money stock options was approximately 18,000 shares as of June 29, 2019 and 160,000 shares as of June 30, 2018.

12) Shareholders' Equity

Share Buyback Program

On February 24, 2016, the Company's Board of Directors authorized the repurchase of up to \$0 million of common stock (the "Buyback Program"). The Buyback Program allowed the Company to purchase shares of its common stock in accordance with applicable securities laws on the open market or through privately negotiated transactions. The Company has repurchased approximately 1,675,000 shares and has completed that program. On December 12, 2017, the Company's Board of Directors authorized an additional repurchase of up to \$50 million. No amounts have been repurchased under the new program as of June 29, 2019.

Comprehensive Income (Loss) and Accumulated Other Comprehensive Loss

The components of accumulated other comprehensive loss are as follows:

(In thousands)	Jι	ine 29, 2019	December 31, 2018	
Foreign Currency Translation Adjustments	\$	(6,542)	\$	(7,156)
Retirement Liability Adjustment – Before Tax		(7,442)		(7,814)
Tax Benefit of Retirement Liability Adjustment		1,563		1,641
Retirement Liability Adjustment – After Tax		(5,879)		(6,173)
Accumulated Other Comprehensive Loss	\$	(12,421)	\$	(13,329)

The components of other comprehensive income (loss) are as follows:

		Six Mon	ths Ended		Three Months Ended					
(In thousands)		e 29, 2019	June 30, 2018			June 29, 2019	June 30, 2018			
Foreign Currency Translation Adjustments	\$	614	\$	(1,572)	\$	884	\$	(1,805)		
Retirement Liability Adjustments:										
Reclassifications to General and Administrative Expense:										
Amortization of Prior Service Cost		201		202		100		101		
Amortization of Net Actuarial Losses		171		343		86		172		
Tax Benefit		(78)		(115)		(42)		(58)		
Retirement Liability Adjustment		294		430		144		215		
Other Comprehensive Income (Loss)	\$	908	\$	(1,142)	\$	1,028	\$	(1,590)		

13) Supplemental Retirement Plan and Related Post Retirement Benefits

The Company has two non-qualified supplemental retirement defined benefit plans ("SERP" and "SERP II") for certain executive officers. The following table sets forth information regarding the net periodic pension cost for the plans.

		Six Mor	ths E	Ended	Three Months Ended				
(In thousands)	Jun	29, 2019		June 30, 2018		June 29, 2019		June 30, 2018	
Service Cost	\$	91	\$	100	\$	46	\$	50	
Interest Cost		458		450		229		225	
Amortization of Prior Service Cost		193		194		96		97	
Amortization of Net Actuarial Losses		150		314		75		157	
Net Periodic Cost	\$	892	\$	1,058	\$	446	\$	529	

Participants in the SERP are entitled to paid medical, dental and long-term care insurance benefits upon retirement under the plan. The following table sets forth information regarding the net periodic cost recognized for those benefits:

	Six M	onths E	Ended	Three Months Ended				
(In thousands)	June 29, 2019		June 30, 2018	June 29, 2019	June 30, 2018			
Service Cost	\$	7 \$	8	\$ 4	\$ 4			
Interest Cost	2	3	23	11	12			
Amortization of Prior Service Cost		8	8	4	4			
Amortization of Net Actuarial Losses	2	1	29	11	15			
Net Periodic Cost	\$ 5	9 \$	68	\$ 30	\$ 35			

14) Sales to Major Customers

The Company has a significant concentration of business with two major customers, each in excess of 10% of consolidated sales. The loss of either of these customers would significantly, negatively impact our sales and earnings.

Sales to these two customers represented 14% and 13% of consolidated sales for the six months ended and 13% and 14% for the three months ended June 29, 2019. Sales to these customers were primarily in the Aerospace segment. Accounts receivable from these customers at June 29, 2019 was approximately \$44.6 million. Sales to these two customers represented 15% and 16% of consolidated sales for the six months ended and 14% and 12% for the three months ended June 30, 2018.

15) Legal Proceedings

The Company is subject to various legal proceedings, claims, and litigation arising in the ordinary course of business. While the outcome of these matters is currently not determinable, we do not expect these matters will have a material adverse effect on our business, financial position, results of operations, or cash flows. However, the results of these matters cannot be predicted with certainty. Should the Company fail to prevail in any legal matter or should several legal matters be resolved against the Company in the same reporting period, then the financial results of that particular reporting period could be materially adversely affected.

On December 29, 2010, Lufthansa Technik AG ("Lufthansa") filed a Statement of Claim in the Regional State Court of Mannheim, Germany. Lufthansa's claim asserts that our subsidiary, AES, sold, marketed, and brought into use in Germany a power supply system that infringes upon a German patent held by Lufthansa. Lufthansa sought an order requiring AES to stop selling and marketing the allegedly infringing power supply system, a recall of allegedly infringing products sold to commercial customers in Germany since November 26, 2003, and compensation for damages related to direct sales of the allegedly infringing power supply system in Germany (referred to as "direct sales"). The claim does not specify an estimate of damages and a related damages claim is being pursued by Lufthansa in separate court proceedings in an action filed in July 2017, as further discussed below.

In February 2015, the Regional State Court of Mannheim, Germany rendered its decision that the patent was infringed. The judgment does not require AES to recall products that are already installed in aircraft or have been sold to other end users. On July 15, 2015, Lufthansa advised AES of their intention to enforce the accounting provisions of the decision, which required AES to provide certain financial information regarding direct sales of the infringing product in Germany to enable Lufthansa to make an estimate of requested damages.

The Company appealed to the Higher Regional Court of Karlsruhe. On November 15, 2016, the Court issued its ruling and upheld the lower court's decision. The Company submitted a petition to grant AES leave for appeal to the German Federal Supreme Court. On April 18, 2018, the German Federal Supreme Court granted Astronics' petition in part, namely with respect to the part concerning the amount of damages. On January 8, 2019 Federal Supreme Court held the hearing on the appeal. By judgment of March 26, 2019 the Federal Supreme Court dismissed AES's appeal. With this decision, the above-mentioned proceedings are complete.

In July 2017, Lufthansa filed an action in the Regional State Court of Mannheim for payment of damages caused by the alleged patent infringement of AES, related to direct sales of the allegedly infringing product in Germany (associated with the original December 2010 action discussed above). In this action, which was served on AES on April 11, 2018, Lufthansa claims payment of approximately \$6.2 million plus interest. According to AES's assessment, this claim is significantly higher than justified. We estimate AES's potential exposure to be approximately \$1 million to \$3 million, and recorded a reserve in 2018 of \$1 million associated with this matter. An oral hearing has been scheduled for September 13, 2019. A first instance decision is in this matter is expected in late 2019 or early 2020.

On December 29, 2017, Lufthansa filed another infringement action against AES in the Regional State Court of Mannheim claiming that sales by AES to its international customers have infringed Lufthansa's patent if AES's customers later shipped the products to Germany (referred to as "indirect sales"). This action, therefore, addresses sales other than those covered by the action filed on December 29, 2010, discussed above. In this action, served on April 11, 2018, Lufthansa seeks an injunction, an order obliging AES to provide information and accounting and a finding that AES owes damages for the attacked indirect sales. AES will vigorously defend against the action. No amount of claimed damages has been specified by Lufthansa and such amount is not quantifiable at this time. An oral hearing in this matter has been scheduled for September 13, 2019. A first instance decision is in this matter is expected in late 2019 or early 2020. As loss exposure is neither probable nor estimable at this time, the Company has not recorded any liability with respect to this litigation as of June 29, 2019.

In December 2017, Lufthansa filed patent infringement cases in the United Kingdom and in France against AES. The Lufhansa patent expired in May 2018. In those cases, Lufthansa accuses AES of having manufactured, used, sold and offered for sale a

Table of Contents

power supply system, and offered and supplied parts for a power supply system, that infringed upon a Lufthansa patent in those respective countries. As loss exposure is neither probable nor estimable at this time, the Company has not recorded any liability with respect to these matters as of June 29, 2019.

On November 26, 2014, Lufthansa filed a complaint in the United States District for the Western District of Washington. Lufthansa's complaint in that action alleges that AES manufactures, uses, sells and offers for sale a power supply system that infringes upon a U.S. patent held by Lufthansa. The patent at issue in the U.S. action is based on technology similar to that involved in the German action. On April 25, 2016, the Court issued its ruling on claim construction, holding that the sole independent claim in the patent is indefinite, rendering all claims in the patent indefinite. Based on this ruling, AES filed a motion for summary judgment on the grounds that the Court's ruling that the patent is indefinite renders the patent invalid and unenforceable. On July 20, 2016, the U.S. District Court granted the motion for summary judgment and issued an order dismissing all claims against AES with prejudice.

Lufthansa appealed the District Court's decision to the United States Court of Appeals for the Federal Circuit. On October 19, 2017, the Federal Circuit affirmed the district court's decision, holding that the sole independent claim of the patent is indefinite, rending all claims on the patent indefinite. Lufthansa did not file a petition for en banc rehearing or petition the U.S. Supreme Court for a writ of certiorari. Therefore, there is no longer a risk of exposure from that lawsuit.

16) Segment Information

Below are the sales and operating profit by segment for the three and six months ended June 29, 2019 and June 30, 2018 and a reconciliation of segment operating profit to income before income taxes. Operating profit is net sales less cost of products sold and other operating expenses excluding interest and corporate expenses. Cost of products sold and other operating expenses are directly identifiable to the respective segment.

		Six Mont	hs En	nded	Three Months Ended							
(In thousands)		June 29, 2019		June 30, 2018		June 29, 2019		June 30, 2018				
Sales	·											
Aerospace	\$	362,793	\$	330,857	\$	174,292	\$	166,257				
Less Intersegment Sales		(5)		(53)		(5)		(53)				
Total Aerospace Sales		362,788		330,804		174,287		166,204				
Test Systems		34,649		56,861		14,925		42,402				
Less Intersegment Sales		(165)		_		(114)		_				
Total Test Systems Sales		34,484		56,861		14,811		42,402				
Total Consolidated Sales	\$	397,272	\$	387,665	\$	189,098	\$	208,606				
Operating Profit and Margins	-											
Aerospace	\$	40,160	\$	31,315	\$	14,392	\$	18,200				
		11.1 %		9.5 %		8.3 %		11.0 %				
Test Systems		2,091		4,318		(94)		6,247				
		6.0 %		7.6 %		(0.6) %		14.7 %				
Total Operating Profit		42,251		35,633		14,298		24,447				
		10.6 %		9.2 %		7.6 %		11.7 %				
Additions/Deductions from Operating Profit												
Gain on Sale of Business		80,133		_		_		_				
Interest Expense, Net of Interest Income		3,029		4,815		1,225		2,484				
Corporate Expenses and Other		9,530		9,710		4,243		4,781				
Income Before Income Taxes	\$	109,825	\$	21,108	\$	8,830	\$	17,182				

Total Assets:

(In thousands)	June 29, 2019	December 31, 2018		
Aerospace	\$ 668,425	\$	647,870	
Test Systems	68,017		97,056	
Corporate	30,821		29,714	
Total Assets	\$ 767,263	\$	774,640	

17) Fair Value

A fair value measurement assumes that the transaction to sell an asset or transfer a liability occurs in the principal market for the asset or liability or, in the absence of a principal market, the most advantageous market for the asset or liability. Fair value is based upon an exit price model. The Company's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment, and involves consideration of factors specific to the asset or liability.

The Company follows a valuation hierarchy for disclosure of the inputs to valuation used to measure fair value. This hierarchy prioritizes the inputs into three broad levels as follows:

Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities.

<u>Level 2</u> inputs are quoted prices for similar assets and liabilities in active markets or inputs that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the financial instrument.

Level 3 inputs are unobservable inputs based on our own assumptions used to measure assets and liabilities at fair value.

On a Recurring Basis:

A financial asset or liability's classification within the hierarchy is determined based on the lowest level input that is significant to the fair value measurement. There wereno financial assets or liabilities carried at fair value measured on a recurring basis at December 31, 2018 or June 29, 2019.

On a Non-recurring Basis:

The Company estimates the fair value of reporting units, utilizing unobservable Level 3 inputs. Level 3 inputs require significant management judgment due to the absence of quoted market prices or observable inputs for assets of a similar nature. The Company utilizes a discounted cash flow analysis to estimate the fair value of reporting units utilizing unobservable inputs. The fair value measurement of the reporting unit under the step-one analysis of the quantitative goodwill impairment test are classified as Level 3 inputs.

Intangible assets that are amortized are evaluated for recoverability whenever adverse effects or changes in circumstances indicate that the carrying value may not be recoverable. The recoverability test consists of comparing the undiscounted projected cash flows with the carrying amount. Should the carrying amount exceed undiscounted projected cash flows, an impairment loss would be recognized to the extent the carrying amount exceeds fair value. For the Company's indefinite-lived intangible asset, the impairment test consists of comparing the fair value, determined using the relief from royalty method, with its carrying amount. An impairment loss would be recognized for the carrying amount in excess of its fair value.

Due to their short-term nature, the carrying value of cash and equivalents, accounts receivable, accounts payable, and notes payable approximate fair value. The carrying value of the Company's variable rate long-term debt instruments also approximates fair value due to the variable rate feature of these instruments. As of June 29, 2019, the Company concluded that no indicators of impairment relating to intangible assets or goodwill existed and an interim test was not performed.

18) Divestiture Activities

As of December 31, 2018, the Company's Board of Directors approved a plan to sell the semiconductor test business within the Test Systems segment. Accordingly, the assets and liabilities associated with these operations had been classified as held for sale in the consolidated Balance Sheet at December 31, 2018. The carrying value of the disposal group was lower than its fair value, less costs to sell, and accordingly, no impairment loss was required at December 31, 2018.

Table of Contents

The following is a summary of the assets and liabilities held for sale as of December 31, 2018:

(In thousands)	December 31, 2018
Assets Held for Sale	
Inventories	\$ 14,385
Prepaid Expenses and Other Current Assets	87
Net Property, Plant and Equipment	3,521
Other Assets	714
Intangible Assets, Net of Accumulated Amortization	651
Total Assets Held for Sale	\$ 19,358
Liabilities Held for Sale	
Deferred Income Taxes	\$ 906

On February 13, 2019, the Company completed the divestiture. The total proceeds of the divestiture amounted to \$03.8 million. The Company recorded a pre-tax gain on the sale of \$80.1 million in the first quarter of 2019. The income tax expense relating to the gain is expected to be \$1.3 million.

The transaction also included two elements of contingent earnouts. The "First Earnout" is calculated based on a multiple of all future sales of existing and certain future derivative products to existing and future customers in each annual period from 2019 through 2022. The First Earnout may not exceed \$35.0 million in total. The "Second Earnout" is calculated based on a multiple of future sales related to an existing product and program with an existing customer exceeding an annual threshold for each annual period from 2019 through 2022. The Second Earnout is not capped. For the Second Earnout, if the applicable sales in an annual period do not exceed the annual threshold, no amounts will be paid relative to such annual period; the sales in such annual period do not carry over to the next annual period. Due to the degree of uncertainty associated with estimating the future sales levels of the divested business and its underlying programs, and the lack of reliable predictive market information, the Company will recognize such earnout proceeds, if received, as additional gain on sale when such proceeds are realized or realizable.

19) Subsequent Events

On July 1, 2019, the Company acquired all of the issued and outstanding capital stock of FCT. FCT, located in Kilgore, Texas, is a leader in wireless communication testing, primarily for the civil land mobile radio market. Freedom will be included in our Test Systems segment. The total consideration for the transaction was \$22.0 million in cash. The purchase price allocation for this acquisition is not determinable as the fair value valuation of assets and liabilities is not complete. The Company expects to complete a preliminary allocation during the third quarter of 2019. Purchased intangible assets and goodwill are not deductible for tax purposes.

On July 12, 2019, the Company sold intellectual property and certain assets associated with its Airfield Lighting product line for \$.0 million in cash. The transaction did not meet the criteria for the assets to be classified as held for sale at June 29, 2019. The Airfield Lighting product line, part of the Aerospace segment, represented less than 1% of the our 2018 revenue. The Company expects to record a loss on sale of approximately \$1.3 million in the 2019 third quarter.

Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

(The following should be read in conjunction with Management's Discussion and Analysis of Financial Condition and Results of Operations contained in the Company's Form 10-K for the year ended December 31, 2018.)

OVERVIEW

Astronics Corporation ("Astronics" or the "Company") is a leading provider of advanced technologies to the global aerospace, defense and electronics industries. Our products and services include advanced, high-performance electrical power generation, distribution and motion systems, lighting and safety systems, avionics products, aircraft structures, systems certification, aircraft structures, and automated test systems.

Our Aerospace segment designs and manufactures products for the global aerospace industry. Product lines include lighting and safety systems, electrical power generation, distribution and motion systems, aircraft structures, avionics products, systems certification, connectivity and other products. Our Aerospace customers are the airframe manufacturers ("OEM") that build aircraft for the commercial, military and general aviation markets, suppliers to those OEM's, aircraft operators such as airlines and branches of the U.S. Department of Defense as well as the Federal Aviation Administration and airport operators. Our Test Systems segment designs, develops, manufactures and maintains automated test systems that support the aerospace, communications and weapons test systems as well as training and simulation devices for both commercial and military applications. In the Test Systems segment, Astronics' products are sold to a global customer base including OEM's and prime government contractors for both electronics and military products.

Our strategy is to increase our value by developing technologies and capabilities either internally or through acquisition, and using those capabilities to provide innovative solutions to the aerospace & defense and other markets where our technology can be beneficial.

Important factors affecting our growth and profitability are the rate at which new aircraft are produced, government funding of military programs, our ability to have our products designed into new aircraft and the rates at which aircraft owners, including commercial airlines, refurbish or install upgrades to their aircraft. New aircraft build rates and aircraft owners spending on upgrades and refurbishments is cyclical and dependent on the strength of the global economy. Once designed into a new aircraft, the spare parts business is frequently retained by the Company. Future growth and profitability of the test business is dependent on developing and procuring new and follow-on business. The nature of our Test Systems business is such that it pursues large multi-year projects. There can be significant periods of time between orders in this business which may result in large fluctuations of sales and profit levels and backlog from period to period.

On February 13, 2019, the Company completed a divestiture of its semiconductor test business within the Test Systems segment. The total proceeds of the divestiture amounted to \$103.8 million. The Company recorded a pre-tax gain on the sale of \$80.1 million in the first quarter of 2019. The income tax expense relating to the gain is expected to be \$21.3 million.

On July 1, 2019, the Company acquired all of the issued and outstanding capital stock of Freedom Communication Technologies, Inc. ("FCT"). FCT, located in Kilgore, Texas, is a leader in wireless communication testing, primarily for the civil land mobile radio market. Freedom will be included in our Test Systems segment. The total consideration for the transaction was \$22.0 million in cash. The purchase price allocation for this acquisition is not determinable as the fair value valuation of assets and liabilities is not complete. The Company expects to complete a preliminary allocation during the third quarter of 2019. Purchased intangible assets and goodwill are not deductible for tax purposes.

On July 12, 2019, the Company sold intellectual property and certain assets associated with its Airfield Lighting product line for \$1.0 million in cash. The transaction did not meet the criteria for the assets to be classified as held for sale at June 29, 2019. The Airfield Lighting product line, part of the Aerospace segment, represented less than 1% of the our 2018 revenue. The Company expects to record a loss on sale of approximately \$1.3 million in the 2019 third quarter.

CONSOLIDATED RESULTS OF OPERATIONS AND OUTLOOK

	Six Mont	hs Eı	nded	Three Months Ended							
(Dollars in thousands)	 June 29, 2019		June 30, 2018		June 29, 2019		June 30, 2018				
Sales	\$ 397,272	\$	387,665	\$	189,098	\$	208,606				
Gross Profit (sales less cost of products sold)	\$ 92,440	\$	86,704	\$	40,363	\$	49,572				
Gross Margin	23.3 %		22.4 %		21.3 %		23.8 %				
Selling, General and Administrative Expenses	\$ 58,986	\$	59,943	\$	29,790	\$	29,443				
SG&A Expenses as a Percentage of Sales	14.8 %		15.5 %		15.8 %		14.1 %				
Gain on Sale of Business	\$ 80,133	\$	_	\$	_	\$	_				
Interest Expense, Net of Interest Income	\$ 3,029	\$	4,815	\$	1,225	\$	2,484				
Effective Tax Rate	22.7 %		18.0 %		23.8 %		18.4 %				
Net Income	\$ 84,872	\$	17,319	\$	6,726	\$	14,025				

A discussion by segment can be found at "Segment Results of Operations and Outlook" in this MD&A.

CONSOLIDATED SECOND QUARTER RESULTS

Consolidated sales were down 9.4%, or \$19.5 million, compared to the prior-year period. Aerospace segment sales increased \$8.1 million, or 4.9%, while Test Systems segment sales decreased \$27.6 million due to the divestiture of the semiconductor business.

Consolidated cost of products sold in the second quarter of 2019 decreased \$10.3 million to \$148.7 million compared with \$159.0 million in the prior-year period. The decline was primarily due to the divestiture of the semiconductor business, partially offset with \$2.3 million in tariff expenses and a \$1.6 million charge for inventory reserves and cost of goods sold related to the incremental Aerospace sales.

Selling, general and administrative ("SG&A") expenses were \$29.8 million, or 15.8% of sales, in the second quarter of 2019 compared with \$29.4 million, or 14.1% of sales, in the same period last year. SG&A increased as a percentage of sales due primarily to \$2.2 million in severance charges associated with restructuring activities, coupled with lower sales.

The effective tax rate for the quarter was 23.8%, compared with 18.4% in the second quarter of 2018. The 2019 second quarter tax rate was unfavorably impacted by the gain on the sale of the semiconductor business.

Net income was \$6.7 million, or \$0.20 per diluted share, compared with \$14.0 million, or \$0.42 per diluted share in the prior year.

Bookings were \$170.7 million, for a book-to-bill ratio of 0.90:1. Backlog at the end of the quarter was \$379.7 million. Approximately \$263.9 million of backlog is expected to ship in the remainder of 2019.

CONSOLIDATED YEAR-TO-DATE RESULTS

Consolidated sales were up 2.5%, or \$9.6 million, driven primarily from growth in the Aerospace segment, partially offset by lower sales in the Test systems segment due to the sale of the semiconductor business in the first quarter of 2019.

Consolidated cost of products sold was \$304.8 million compared with \$301.0 million in the prior-year period. The increase was due primarily to the cost associated with higher sales volume, along with tariff expenses of \$4.0 million and a charge for inventory reserves of \$3.6 million. Consolidated costs of products sold recorded in the first six months of the prior year included a fair value inventory step-up expense of \$1.3 million and a \$3.6 million program charge related to a CCC long-term contract.

Selling, general and administrative ("SG&A") expenses were \$59.0 million in the second quarter of 2019 compared with \$59.9 million in the same period last year. The decrease was impacted by \$2.3 million lower amortization expense related to acquired intangible assets, partially offset by severance charges of \$2.2 million.

The effective tax rate for the first six month of 2019 was 22.7%, compared with 18.0% in the same period quarter of 2018. The tax rate was unfavorably impacted by the gain on the sale of the semiconductor business.

Net income was \$84.9 million, or \$2.56 per diluted share, compared with \$17.3 million, or \$0.52 per diluted share in the prior year. The \$80.1 million gain on the sale of the semiconductor test business is expected to contribute \$58.8 million to net income after taxes.

CONSOLIDATED OUTLOOK

Consolidated sales are expected to be in the range of \$740 million to \$775 million, of which \$680 million to \$700 million is expected from the Aerospace segment and \$60 million to \$75 million is expected from the Test segment.

Consolidated backlog at June 29, 2019 was \$379.7 million. Approximately 70% of the backlog is expected to ship in 2019.

The effective tax rate for 2019, excluding the impact of the gain on the sale of the semiconductor business, is expected to be in the range of 15% to 19%.

Capital equipment spending in 2019 is expected to be between \$22 million to \$28 million.

SEGMENT RESULTS OF OPERATIONS AND OUTLOOK

Operating profit, as presented below, is sales less cost of products sold and other operating expenses, excluding interest expense and other corporate expenses. Cost of products sold and other operating expenses are directly identifiable to the respective segment. Operating profit is reconciled to earnings before income taxes in Note 16 of the Notes to Consolidated Condensed Financial Statements included in this report.

AEROSPACE SEGMENT

	Six Mont	hs Er	nded	Three Months Ended						
(In thousands)	June 29, 2019		June 30, 2018		June 29, 2019		June 30, 2018			
Sales	\$ 362,793	\$	330,857	\$	174,292	\$	166,257			
Less Intersegment Sales	(5)		(53)		(5)		(53)			
Total Aerospace Sales	\$ 362,788	\$	330,804	\$	174,287	\$	166,204			
Operating Profit	\$ 40,160	\$	31,315	\$	14,392	\$	18,200			
Operating Margin	11.1 %		9.5 %		8.3 %		11.0 %			
Aerospace Sales by Market										
(In thousands)										
Commercial Transport	\$ 271,509	\$	265,847	\$	129,731	\$	132,797			
Military	40,498		30,285		19,545		16,270			
Business Jet	37,123		21,002		17,286		10,338			
Other	13,658		13,670		7,725		6,799			
	\$ 362,788	\$	330,804	\$	174,287	\$	166,204			
Aerospace Sales by Product Line										
(In thousands)										
Electrical Power & Motion	\$ 176,579	\$	140,321	\$	84,042	\$	67,643			
Lighting & Safety	95,375		85,763		46,770		44,121			
Avionics	59,543		69,295		25,682		36,272			
Systems Certification	5,666		9,655		4,048		4,872			
Structures	11,967		12,100		6,020		6,497			
Other	13,658		13,670		7,725		6,799			
	\$ 362,788	\$	330,804	\$	174,287	\$	166,204			

(In thousands)	Jur	ne 29, 2019	Γ	December 31, 2018
Total Assets	\$	668,425	\$	647,870
Backlog	\$	310,590	\$	326,047

AEROSPACE SECOND QUARTER RESULTS

Aerospace segment sales increased \$8.1 million, or 4.9%, to \$174.3 million, although Aerospace sales declined sequentially from \$188.5 million in the first quarter of 2019.

Electrical Power & Motion sales increased \$16.4 million, or 24.2%, due primarily to higher sales in cabin power products. Sales of Lighting & Safety products were up \$2.6 million due to an increase in sales of lighting products partially offset by lower sales of passenger service units. Avionics sales were down \$10.6 million compared with the prior-year period due to a lower demand in the quarter for inflight entertainment and connectivity ("IFEC") products.

Aerospace operating profit was \$14.4 million, or 8.3% of sales, compared with \$18.2 million, or 11.0% of sales, in the same period last year. Aerospace operating profit benefited from higher volume, offset by \$2.3 million in tariffs. Certain challenged Aerospace businesses had \$7.7 million of operating losses, including a \$1.6 million inventory reserve. Operating losses for those businesses in the second quarter of 2018 were \$8.1 million including a \$1.6 million program charge recognized due to the revision of estimated costs to complete a long-term contract.

Restructuring initiatives are expected to provide approximately \$3 million in annual savings for the Aerospace segment beginning in the third quarter of 2019.

Aerospace bookings in the second quarter of 2019 were \$157.6 million, for a book-to-bill ratio of 0.90:1. Backlog was \$310.6 million at the end of the second quarter of 2019.

AEROSPACE YEAR-TO-DATE RESULTS

Aerospace segment sales increased by \$32.0 million, or 9.7%, to \$362.8 million when compared with the prior year's first six months.

Electrical Power & Motion sales increased \$36.3 million, or 25.8%, and Lighting & Safety sales increased \$9.6 million, both for similar reasons as in the quarter. Sales of Avionics products were down \$9.8 million to \$59.5 million, and Systems Certification sales decreased \$4.0 million compared to the first six months of 2018.

Aerospace operating profit was \$40.2 million, or 11.1% of sales, compared with \$31.3 million, or 9.5% of sales, in the same period last year. Aerospace operating profit in the first six months of 2019 benefited from higher volume and \$2.3 million lower amortization expense related to acquired intangible assets. These benefits were offset by \$4.0 million in tariffs and \$18.4 million in operating losses from certain challenged businesses, which included \$3.6 million in inventory reserves. Operating profit in the first half of 2018 was negatively impacted by \$17.1 million in operating loss from those businesses and \$1.4 million in acquisition-related inventory step-up expense.

AEROSPACE OUTLOOK

We expect 2019 sales for our Aerospace segment to be in the range of \$680 million to \$700 million. The Aerospace segment's backlog at the end of the second quarter of 2019 was \$310.6 million with approximately \$235.7 million expected to be shipped over the remaining part of 2019 and \$290.3 million is expected to ship over the next 12 months.

TEST SYSTEMS SEGMENT

		Six Mon	ths En	ided	Three Months Ended						
(In thousands)		June 29, 2019		June 30, 2018		June 29, 2019	June 30, 2018				
Sales	\$	34,649	\$	56,861	\$	14,925	\$	42,402			
Less Intersegment Sales		(165)		_		(114)		_			
Net Sales	\$	34,484	\$	56,861	\$	14,811	\$	42,402			
Operating profit	\$	2,091	\$	4,318	\$	(94)	\$	6,247			
Operating Margin		6.0 %		7.6 %		(0.6) %		14.7 %			
Test Systems Sales by Market											
(In thousands)											
Semiconductor	\$	5,596	\$	38,465	\$	2,242	\$	31,405			
Aerospace & Defense		28,888		18,396		12,569		10,997			
	\$	34,484	\$	56,861	\$	14,811	\$	42,402			

(In thousands)	June 29, 2019	December 31, 2018
Total Assets	\$ 68,017	\$ 97,056
Backlog (1)	\$ 69,122	\$ 89,470

(1) - \$89.5 million backlog at December 31, 2018 includes \$12.2 million related to the divested semiconductor business

TEST SYSTEMS SECOND QUARTER RESULTS

Test Segment sales decreased \$27.6 million to \$14.8 million compared with the prior-year period. A \$1.6 million increase in sales to the Aerospace & Defense market was offset by a \$29.2 million decrease in sales to the Semiconductor market as a result of the divestiture of the semiconductor business.

The Test segment was essentially breakeven in the quarter compared with operating profit of \$6.2 million in last year's second quarter. The decrease was due to the divestiture of the semiconductor business. Additionally, impacting the loss in the quarter were severance charges of \$2.0 million related to the restructuring initiatives, which are expected to provide savings of \$5 million to \$6 million beginning in the third quarter.

Bookings for the Test Systems segment in the quarter were \$13.0 million, for a book-to-bill ratio of 0.88:1 for the quarter. Backlog was \$69.1 million at the end of the second quarter of 2019.

TEST SYSTEMS YEAR-TO-DATE RESULTS

Test Segment sales decreased \$22.4 million to \$34.5 million compared with \$56.9 million in the prior-year period. A \$10.5 million increase in sales to the Aerospace & Defense market was offset by a \$32.9 million decrease in sales to the Semiconductor market as a result of the divestiture of the semiconductor business.

Operating profit for the segment was \$2.1 million, or 6.0% of sales, compared with operating income of \$4.3 million, or 7.6% of sales, in the prior-year period. The decrease is due largely to the sale of the semiconductor business as well as \$2.0 million in severance charges related to restructuring initiatives.

TEST SYSTEMS OUTLOOK

We expect sales for the Test Systems segment for 2019 to be in the range of \$60 million to \$75 million. The Test Systems segment's backlog at the end of the second quarter of 2019 was \$69.1 million, with approximately \$28.2 million expected to be shipped over the remaining part of 2019 and approximately \$44.4 million scheduled to ship over the next 12 months.

LIQUIDITY AND CAPITAL RESOURCES

Operating Activities:

Cash provided by operating activities totaled \$9.1 million for the first six months of 2019, as compared with \$8.1 million cash provided by operating activities during the same period in 2018. Cash flow from operating activities increased compared with the same period of 2018 primarily due to net operating assets increasing less in the first six months of 2019 when compared with the first six months of 2018, partially offset by a decrease in depreciation and amortization.

Investing Activities:

Cash provided by investing activities was \$96.9 million for the first six months of 2019 compared with \$8.5 million used in the same period of 2018. The increase in the current year was a result of the \$103.8 million in proceeds from the divestiture of the semiconductor business, coupled with a decrease in capital expenditures. The Company expects capital spending in 2019 to be in the range of \$22 million to \$28 million.

Financing Activities:

The primary financing activities in the first six months of 2019 related to net payments on our senior credit facility of \$105.0 million. The primary financing activities in the first six months of 2018 related to net payments on our senior credit facility of \$5.0 million and \$0.5 million of costs incurred related to the execution of the Agreement in February 2018. The Company's cash needs for working capital, debt service and capital equipment during the remainder of 2019 is expected to be met by cash flows from operations and cash balances and, if necessary, utilization of the revolving credit facility.

The Company's Fourth Amended and Restated Credit Agreement (the "Original Facility") provided for a \$350 million revolving credit line with the option to increase the line by up to \$150 million. The maturity date of the Original Facility was January 13, 2021. On February 16, 2018, the Company modified and extended the Original Facility by entering into the Fifth Amended and Restated Credit Agreement (the "Agreement"), which provides for a \$500 million revolving credit line with the option to increase the line by up to \$150 million. A new lender was added to the facility as well. The outstanding balance of the Original Facility was rolled into the Agreement on the date of closing. The maturity date of the loans under the Agreement is February 16, 2023. At June 29, 2019, there was \$122.0 million outstanding on the revolving credit facility and there remains \$376.9 million available, net of outstanding letters of credit. The credit facility allocates up to \$20 million of the \$500 million revolving credit line for the issuance of letters of credit, including certain existing letters of credit. At June 29, 2019, outstanding letters of credit totaled \$1.1 million.

The maximum permitted leverage ratio of funded debt to Adjusted EBITDA (as defined in the Agreement) is 3.75 to 1, increasing to 4.50 to 1 for up to four fiscal quarters following the closing of an acquisition permitted under the Agreement, subject to limitations. The Company is in compliance with its financial covenant at June 29, 2019. The Company will pay interest on the unpaid principal amount of the facility at a rate equal to one-, three- or six-month LIBOR plus between 1.00% and 1.50% based upon the Company's leverage ratio. The Company will also pay a commitment fee to the Lenders in an amount equal to between 0.10% and 0.20% on the undrawn portion of the credit facility, based upon the Company's leverage ratio.

The Company's obligations under the Credit Agreement as amended are jointly and severally guaranteed by each domestic subsidiary of the Company other than a non-material subsidiary. The obligations are secured by a first priority lien on substantially all of the Company's and the guarantors' assets.

In the event of voluntary or involuntary bankruptcy of the Company or any subsidiary, all unpaid principal and other amounts owing under the Credit Agreement automatically become due and payable. Other events of default, such as failure to make payments as they become due and breach of financial and other covenants, change of control, judgments over a certain amount, and cross default under other agreements give the Agent the option to declare all such amounts immediately due and payable.

BACKLOG

The Company's backlog at June 29, 2019 was \$379.7 million compared with \$415.5 million at December 31, 2018 (\$403.3 million excluding backlog related to the divested semiconductor business) and \$376.9 million at June 30, 2018.

CONTRACTUAL OBLIGATIONS AND COMMITMENTS

The following table represents contractual obligations as of June 29, 2019:

	Payments Due by Period												
(In thousands)		Total		2019		2020-2021	2022-2023			After 2023			
Long-term Debt	\$	122,283	\$	56	\$	227	\$	122,000	\$	_			
Interest on Long-term Debt		18,686		4,540		9,081		5,065		_			
Purchase Obligations		146,659		124,702		21,459		89		409			
Supplemental Retirement Plan and Post Retirement Obligations		22,898		209		827		798		21,064			
Lease Obligations		33,690		3,482		12,229		7,241		10,738			
Interest on Finance Lease Obligations		453		140		305		8		_			
Other Long-term Liabilities		110		5		25		32		48			
Total Contractual Obligations	\$	344,779	\$	133,134	\$	44,153	\$	135,233	\$	32,259			

Notes to Contractual Obligations Table

Purchase Obligations — Purchase obligations are comprised of the Company's commitments for goods and services in the normal course of business.

Long-Term Debt — See Part 1 Financial Information, Item 1 Financial Statements, Note 7, Long-Term Debt and Notes Payable included in this report.

 ${\it Lease~Obligations} - {\rm Financing~and~Operating~lease~obligations~are~primarily~related~to~the~Company's~facility~leases.}$

MARKET RISK

The Company believes that there have been no material changes in the current year regarding the market risk information for its exposure to interest rate fluctuations. Although the majority of our sales, expenses and cash flows are transacted in U.S. dollars, we have exposure to changes in foreign currency exchange rates related to the Euro and the Canadian dollar. The Company believes that the impact of changes in foreign currency exchange rates in 2019 have not been significant.

CRITICAL ACCOUNTING POLICIES

Refer to Note 2 of the Notes to Consolidated Condensed Financial Statements included in this report for the Company's critical accounting policies with respect to revenue recognition. For a complete discussion of the Company's other critical accounting policies, refer to the Company's annual report on Form 10-K for the year ended December 31, 2018

RECENT ACCOUNTING PRONOUNCEMENTS

Refer to Note 1 of the Notes to Consolidated Condensed Financial Statements included in this report.

FORWARD-LOOKING STATEMENTS

Information included in this report that does not consist of historical facts, including statements accompanied by or containing words such as "may," "will," "should," "believes," "expected," "intends," "plans," "projects," "approximate," "estimates," "predicts," "potential," "outlook," "forecast," "anticipates," "presume" and "assume," are forward-looking statements. Such forward-looking statements are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These statements are not guarantees of future performance and are subject to several factors, risks and uncertainties, the impact or occurrence of which could cause actual results to differ materially from the expected results described in the forward-looking statements. Certain of these factors, risks and uncertainties are discussed in the sections of this report entitled "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations." New factors, risks and uncertainties may emerge from time to time that may affect the forward-looking statements made herein. Given these factors, risks and uncertainties, investors should not place undue reliance on forward-looking statements as predictive of future results. We disclaim any obligation to update the forward-looking statements made in this report.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

See Market Risk in Item 2, above.

Item 4. Controls and Procedures

a. Evaluation of Disclosure Controls and Procedures

The Company's management, with the participation of the Company's Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of the Company's disclosure controls and procedures as of June 29, 2019. Based on that evaluation, the Company's Chief Executive Officer and Chief Financial Officer concluded that the Company's disclosure controls and procedures were effective as of June 29, 2019.

b. Changes in Internal Control over Financial Reporting

There have been no changes in our internal control over financial reporting during the most recent fiscal quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II - OTHER INFORMATION

Item 1. Legal Proceedings

The Company is subject to various legal proceedings, claims, and litigation arising in the ordinary course of business. While the outcome of these matters is currently not determinable, we do not expect these matters will have a material adverse effect on our business, financial position, results of operations, or cash flows. However, the results of these matters cannot be predicted with certainty. Should the Company fail to prevail in any legal matter or should several legal matters be resolved against the Company in the same reporting period, then the financial results of that particular reporting period could be materially adversely affected.

On December 29, 2010, Lufthansa Technik AG ("Lufthansa") filed a Statement of Claim in the Regional State Court of Mannheim, Germany. Lufthansa's claim asserts that our subsidiary, AES, sold, marketed, and brought into use in Germany a power supply system that infringes upon a German patent held by Lufthansa. Lufthansa sought an order requiring AES to stop selling and marketing the allegedly infringing power supply system, a recall of allegedly infringing products sold to commercial customers in Germany since November 26, 2003, and compensation for damages related to direct sales of the allegedly infringing power supply system in Germany (referred to as "direct sales"). The claim does not specify an estimate of damages and a related damages claim is being pursued by Lufthansa in separate court proceedings in an action filed in July 2017, as further discussed below.

In February 2015, the Regional State Court of Mannheim, Germany rendered its decision that the patent was infringed. The judgment does not require AES to recall products that are already installed in aircraft or have been sold to other end users. On July 15, 2015, Lufthansa advised AES of their intention to enforce the accounting provisions of the decision, which required AES to provide certain financial information regarding direct sales of the infringing product in Germany to enable Lufthansa to make an estimate of requested damages.

The Company appealed to the Higher Regional Court of Karlsruhe. On November 15, 2016, the Court issued its ruling and upheld the lower court's decision. The Company submitted a petition to grant AES leave for appeal to the German Federal Supreme Court. On April 18, 2018, the German Federal Supreme Court granted Astronics' petition in part, namely with respect to the part concerning the amount of damages. On January 8, 2019 Federal Supreme Court held the hearing on the appeal. By judgment of March 26, 2019 the Federal Supreme Court dismissed AES's appeal. With this decision, the above-mentioned proceedings are complete.

In July 2017, Lufthansa filed an action in the Regional State Court of Mannheim for payment of damages caused by the alleged patent infringement of AES, related to direct sales of the allegedly infringing product in Germany (associated with the original December 2010 action discussed above). In this action, which was served on AES on April 11, 2018, Lufthansa claims payment of approximately \$6.2 million plus interest. According to AES's assessment, this claim is significantly higher than justified. We estimate AES's potential exposure to be approximately \$1 million to \$3 million, and recorded a reserve in 2018 of \$1 million associated with this matter. An oral hearing has been scheduled for September 13, 2019. A first instance decision is in this matter is expected in late 2019 or early 2020.

On December 29, 2017, Lufthansa filed another infringement action against AES in the Regional State Court of Mannheim claiming that sales by AES to its international customers have infringed Lufthansa's patent if AES's customers later shipped the products to Germany (referred to as "indirect sales"). This action, therefore, addresses sales other than those covered by the action filed on December 29, 2010, discussed above. In this action, served on April 11, 2018, Lufthansa seeks an injunction, an order obliging AES to provide information and accounting and a finding that AES owes damages for the attacked indirect sales. AES will vigorously defend against the action. No amount of claimed damages has been specified by Lufthansa and such amount is not quantifiable at this time. An oral hearing in this matter has been scheduled for September 13, 2019. A first instance decision is in this matter is expected in late 2019 or early 2020. As loss exposure is neither probable nor estimable at this time, the Company has not recorded any liability with respect to this litigation as of June 29, 2019.

In December 2017, Lufthansa filed patent infringement cases in the United Kingdom and in France against AES. The Lufhansa patent expired in May 2018. In those cases, Lufthansa accuses AES of having manufactured, used, sold and offered for sale a power supply system, and offered and supplied parts for a power supply system, that infringed upon a Lufthansa patent in those respective countries. As loss exposure is neither probable nor estimable at this time, the Company has not recorded any liability with respect to these matters as of June 29, 2019.

On November 26, 2014, Lufthansa filed a complaint in the United States District for the Western District of Washington. Lufthansa's complaint in that action alleges that AES manufactures, uses, sells and offers for sale a power supply system that infringes upon a U.S. patent held by Lufthansa. The patent at issue in the U.S. action is based on technology similar to that

involved in the German action. On April 25, 2016, the Court issued its ruling on claim construction, holding that the sole independent claim in the patent is indefinite, rendering all claims in the patent indefinite. Based on this ruling, AES filed a motion for summary judgment on the grounds that the Court's ruling that the patent is indefinite renders the patent invalid and unenforceable. On July 20, 2016, the U.S. District Court granted the motion for summary judgment and issued an order dismissing all claims against AES with prejudice.

Lufthansa appealed the District Court's decision to the United States Court of Appeals for the Federal Circuit. On October 19, 2017, the Federal Circuit affirmed the district court's decision, holding that the sole independent claim of the patent is indefinite, rending all claims on the patent indefinite. Lufthansa did not file a petition for en banc rehearing or petition the U.S. Supreme Court for a writ of certiorari. Therefore, there is no longer a risk of exposure from that lawsuit.

Item 1a. Risk Factors

In addition to other information set forth in this report, you should carefully consider the factors discussed in Part 1, Item 1A. "Risk Factors," in our Annual Report on Form 10-K for the year ended December 31, 2018, which could materially affect our business, financial condition or results of operations. The risks described in our Annual Report on Form 10-K are not the only risks facing us. Additional risks and uncertainties not currently known to us or that we currently deem to be immaterial also may materially adversely affect our business, financial condition and/or results of operations.

Item 2. Unregistered sales of equity securities and use of proceeds

c. The following table summarizes our purchases of our common stock for the quarter ended June 29, 2019.

Period	(a) Total Number of Shares Purchased	(b) Average Price Paid Per Share	(c) Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	(d) Maximum Dollar Value of Shares that may yet be Purchased Under the Program (1)
March 31, 2019 - April 27, 2019	_	_	_	\$50,000,000
April 28, 2019 - May 25, 2019 (2)	846	\$39.47	_	\$50,000,000
May 26, 2019 - June 29, 2019 (3)	3,338	\$43.38	_	\$50,000,000

In connection with the exercise of stock options, we accept, from time to time, delivery of shares to pay the exercise price of stock options.

- (1) On December 12, 2017, the Company's Board of Directors authorized an additional repurchase of up to \$50 million in connection with the Buyback Program.
- (2) On May 13, 2019, we accepted delivery of 846 shares at \$39.47 in connection with the exercise of stock options.
- (3) On June 7, 2019 and June 13, 2019, we accepted delivery of 257 shares at \$43.75 and 3,081 shares at \$43.35, respectively, in connection with the exercise of stock options.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

None.

Item 5. Other Information

None.

Table of Contents

Item 6. Exhibits

Exhibit 31.1	Section 302 Certification - Chief Executive Officer
Exhibit 31.2	Section 302 Certification - Chief Financial Officer

Exhibit 32 Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

Exhibit 101.1* Instance Document Exhibit 101.2* Schema Document

Exhibit 101.3* Calculation Linkbase Document
Exhibit 101.4* Labels Linkbase Document
Exhibit 101.5* Presentation Linkbase Document
Exhibit 101.6* Definition Linkbase Document

^{*} Submitted electronically herewith.

SIGNATURES

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

		ASTRONICS CORPORATION	
		(Registrant)	
Date:	August 8, 2019	By: /s/ David C. Burney	
		David C. Burney Executive Vice President and Chief Financial Officer (Principal Financial Officer)	

SECTION 302 CERTIFICATION

Certification of Chief Executive Officer pursuant to Exchange Act rule 13a-14(a) as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

- I, Peter J. Gundermann, President and Chief Executive Officer, certify that:
 - 1. I have reviewed this quarterly report on Form 10-Q of Astronics Corporation;
 - 1. 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;
 - 1. 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;
 - 1. 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;
 - a. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - a. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - a. 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
 - 1. 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 equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - a. 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: August 8, 2019

/s/ Peter J. Gundermann
Peter J. Gundermann

President and Chief Executive Officer

SECTION 302 CERTIFICATION

Certification of Chief Financial Officer pursuant to Exchange Act Rule 13a-14(a) as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

- I, David C. Burney, Chief Financial Officer, certify that:
 - 1. I have reviewed this quarterly report on Form 10-Q of Astronics Corporation;
 - 1. 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;
 - 1. 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;
 - 1. 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;
 - a. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - a. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - a. 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
 - 1. 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 equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - a. 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: August 8, 2019

/s/ David C. Burney

David C. Burney 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

Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned officers of Astronics Corporation (the "Company") hereby certify that:

The Company's Quarterly Report on Form 10-Q for the quarter ended June 29, 2019 fully complies with the requirements of section 13(a) or 15(d) of the Securities and Exchange Act of 1934 and the information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of the Company.

August 8, 2019 /s/ Peter J. Gundermann

Peter J. Gundermann

Title: Chief Executive Officer

August 8, 2019 /s/ David C. Burney

David C. Burney

Title: Chief Financial Officer

This certification shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liability of that section. This certification shall not be deemed to be incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Exchange Act, except to the extent specifically incorporated by the Company into such filing.