



# Quarterly Review of the Specialty Manufacturing Sector

Q1 2016



Mergers & Acquisitions

Custom Capital Solutions

Corporate Finance Advisory

Member: FINRA/SIPC



## About Navidar

Navidar is an **investment banking firm** providing companies and investors in dynamic industries with **strategic M&A advice, capital raising solutions**, vital insights and breakthrough opportunities.

- Big Firm Experience Combined with Senior Banker Attention
- Global Relationships with Top-Tier Investors and World-Leading Companies
- Greater Creativity and Customized Solutions
- Focused on the Middle Corridor of the United States

Past Transactions Executed by Navidar			
 Has been acquired by  Sellside Advisor	 Has been acquired by  CORPORATION SERVICE COMPANY Sellside Advisor	 Has acquired  Buyside Advisor	 Has been acquired by  Sellside Advisor
 Has been acquired by  Sellside Advisor	 Has been acquired by  Sellside Advisor	 Private Equity Placement	 Has been acquired by  Sellside Advisor
 Has acquired  Buyside Advisor	 Has been acquired by  Sellside Advisor	 Has been acquired by  Sellside Advisor	 Has been acquired by  Sellside Advisor
 Capital Structure Review	 NOL Shareholder Rights Plan	 Has been acquired by  Sellside Advisor	 Has been acquired by  Sellside Advisor
 Private Equity Placement	 Debt Placement	 Private Equity Placement	 Has acquired  Buyside Advisor

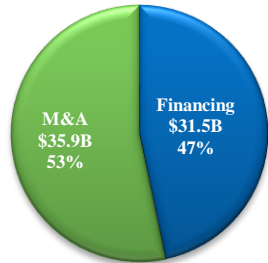
Note: Transactions above only represent a sample of past transactions executed by Navidar.



## Navidar at a Glance

### Experienced Strategic Advisors

*Executed Over 300 Deals,  
Nearly \$70B of Transaction Volume*

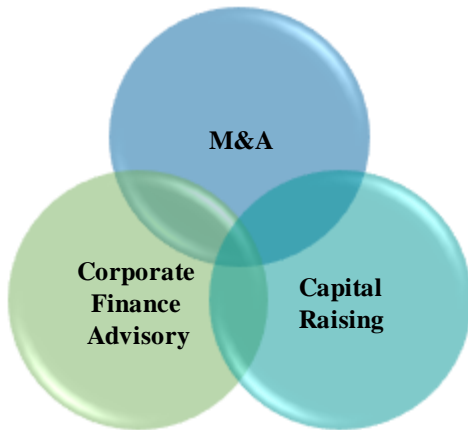


### Advising Dynamic Companies



### Creative Insights and Customized Solutions

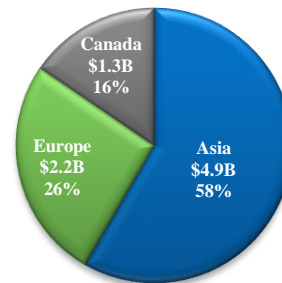
Private Companies



Public Companies

### International Expertise

*\$8.4B of Transaction Volume*



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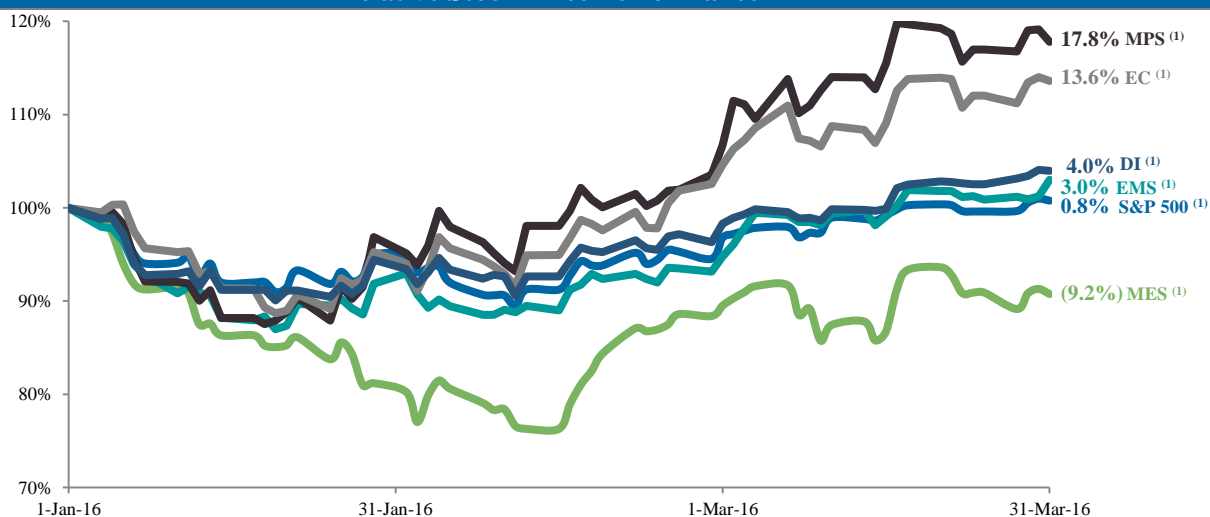
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## Specialty Manufacturing Sector Review

Relative Stock Price Performance – YTD



Specialty Manufacturing Sector Stock Price Performance

Sub-Sector	Q1 Return	YTD Return
MPS <sup>(1)</sup>	17.8%	17.8%
EC <sup>(1)</sup>	13.6%	13.6%
DI <sup>(1)</sup>	4.0%	4.0%
EMS <sup>(1)</sup>	3.0%	3.0%
S&P 500	0.8%	0.8%
MES <sup>(1)</sup>	(9.2%)	(9.2%)

Top 5 Global M&A Deals in Q1 By Value

Date	Acquirer	Target	Deal Value (\$M)
03/18/2016	KKR	AIRBUS GROUP	\$1,241
01/11/2016	China National Chemical; GUOXIN International Investment; AGIC Capital	KraussMaffei	1,007
02/01/2016	dmt	DOOSAN	940
02/04/2016	Suzhou Dongshan Precision Manufacturing	MFLX	621
02/09/2016	AAF	Flanders	430

### Key Takeaways from the Quarter:

- The majority of Specialty Manufacturing sub-sectors (Metal Processing Services, Engineered Components, Diversified Industrials and Electronic Manufacturing Services) outperformed the S&P 500 Index, while Manufacturing & Engineering Services was the only sub-sector to post negative quarterly returns.
- Global Specialty Manufacturing M&A deal volume dipped to 308 deals in Q1'16 from 283 in Q4'15; similarly, disclosed deal value dropped 25% over the same period (\$11.5 billion to \$8.6 billion).
- U.S. Specialty Manufacturing M&A deal volume in Q1'16 experienced a small decline to reach 93 deals from Q4'15, while disclosed deal value in Q1'16 plunged 22% (from \$4.0 billion to \$3.1 billion in Q4'15).
- U.S. Middle Market M&A deal volume inched 17% to 28 deals in Q1'16 from 24 in Q4'15. Also, disclosed deal value rose 61% quarter-over-quarter.
- Like Q4'15, there were also two large deals in Q1'16 with deal value greater than \$1 billion globally.
- Strategic acquirers accounted for almost 86% of deal volume in Q1'16.
- One of the most notable deal announcements in Q1'15 was KKR's \$1.2 billion acquisition of Airbus Group (Defence Electronics Business).

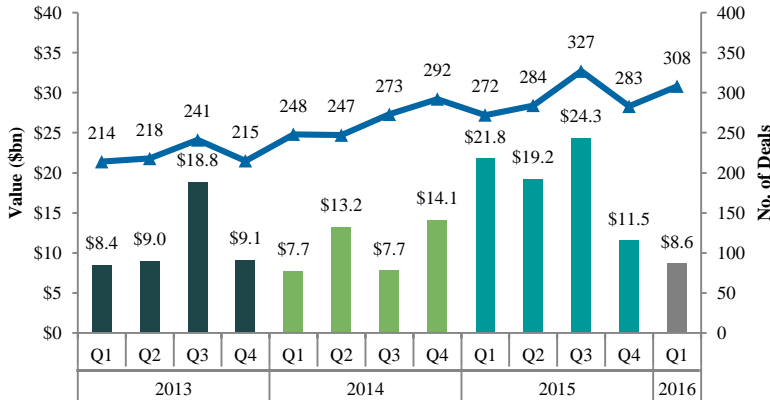
Source: S&P Capital IQ, Navidar Research, Online Publications, and Industry Research.

(1) MES (Manufacturing and Engineering Services), MPS (Metal Processing Services), EC (Engineered Components), DI (Diversified Industrials) and EMS (Electronic Manufacturing Services).



# Specialty Manufacturing Sector M&A Review

## Global Specialty Manufacturing M&A Deals – Since 2013

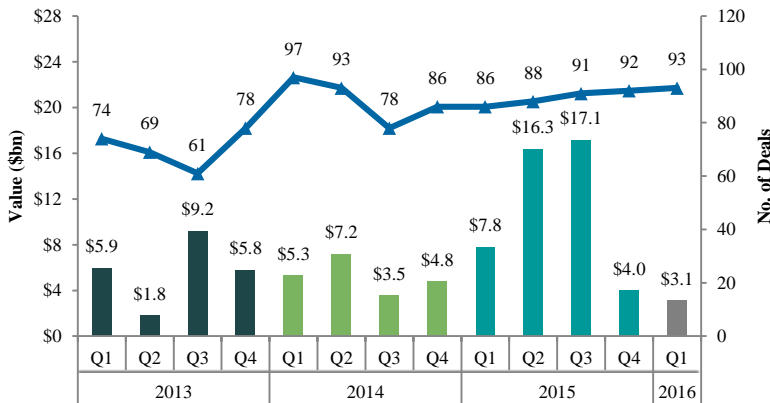


## Commentary

Specialty Manufacturing global M&A deal volume saw an uptick reaching 308 deals in Q1'16. Meanwhile, total global disclosed deal value dipped 25% quarter-over-quarter (from \$11.5 billion to \$8.6 billion).

- Global deal value increased 13% year-on-year to 308 deals in Q1'16 from 272 in Q1'15, while global disclosed deal value lost by 61% during the same period.

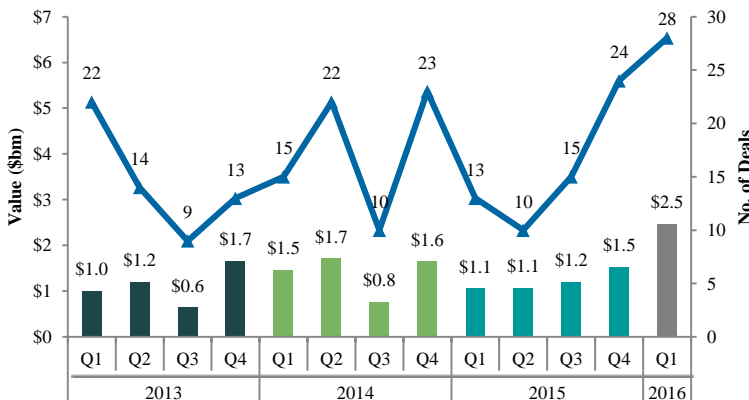
## U.S. Specialty Manufacturing M&A Deals – Since 2013



U.S. deal volume surged by 8% year-over-year to 93 deals in Q1'16 from 86 in Q1'15.

- Disclosed deal value plunged 60% over the same period (from \$7.8 billion to \$3.1 billion).

## U.S. Middle Market Specialty Man. M&A – Since 2013<sup>(1)</sup>



U.S. Middle Market M&A deal volume experienced a gradual uptick in the last three quarters reaching 28 deals in Q1'16.

- U.S. Middle Market deal volume increased 133% year-over-year to 28 deals in Q1'16 from 13 in Q1'15.
- Total disclosed deal value decreased by 133% year-over-year to \$2.5 billion in Q1'16 from \$1.1 billion in Q1'15.

Source: S&P Capital IQ, Navidar Research and Industry Research. (1) Defined as deal value of \$500M EV and less.



## Specialty Manufacturing Sector M&A Review (Cont.)

### Top 10 Global Specialty Manufacturing M&A Transactions in Q1 2016

Announced Date	Acquirer	Target	Enterprise Value (\$USDmm)	EV / LTM Rev.	EV / LTM EBITDA
3/23/2016	Mercury Systems (U.S)	Microsemi - RF Integrated Solut. (U.S)	300	3.0x	10.7x
3/18/2016	KKR & Co (U.S)	Airbus, Defence Electronics (Germany)	1,241	NA	NA
3/17/2016	Kongsberg Defence & Aerospace (Norway)	Patria (Finland)	617	1.3x	NA
2/29/2016	J.F. Lehman & Company (U.S)	API Technologies (U.S)	303	1.3x	15.0x
2/9/2016	American Air Filter (U.S)	Flanders Holdings (U.S)	430	1.4x	NA
2/4/2016	Suzhou Dongshan Precision (China)	Multi-Fineline Electronix (U.S)	407	0.6x	4.7x
2/3/2016	Veolia Environnement (France)	Kurion (U.S)	350	NA	NA
2/1/2016	DMT Holdings (South Korea)	Doosan Infracore, Machine Tool Business (South Korea)	940	NA	NA
1/11/2016	Investor Group (China)	KraussMaffei Group (Germany)	1,007	NA	NA
1/8/2016	GE Aviation (U.S)	Convergence Fuel Systems (U.S)	573	NA	NA

### U.S. Specialty Manufacturing M&A Deal Volume by Size

\$ in millions except #	Q1'2016		Q1'2015		Q4'2015	
	Number of Deals	Total Deal Value	Number of Deals	Total Deal Value	Number of Deals	Total Deal Value
< \$50M	19	154	9	175	12	165
\$50M to \$100M	2	169	-	-	8	554
\$100M to \$250M	2	430	3	383	3	555
\$250M to \$500M	5	1,714	-	-	1	255
\$500M to \$1000M	1	621	3	2,015	1	882
>1B	-	-	1	5,193	1	1,545
Undisclosed	64	-	70	-	66	-
<b>Total</b>	<b>93</b>	<b>3,087</b>	<b>86</b>	<b>7,767</b>	<b>92</b>	<b>3,956</b>

Source: S&P Capital IQ and Industry Research.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents) and LTM = Last Twelve Months.



## Specialty Manufacturing Sector M&A Review (Cont.)

### **Review of Selected Aerospace & Defense Transactions in Q1**

#### **Multi-Fineline Electronix to acquire Suzhou Dongshan Precision Manufacturing for \$621M EV, which implied 0.64x LTM Revenue and 4.7x LTM EBITDA.**

- Acquisition will position MFLEX as a large manufacturing conglomerate, which will also open new market opportunities for its flexible printed circuit and assembly solutions, further supporting the company's long-term growth outlook.
- Acquisition will expand MFLEX's brand and leadership in the mobility space, while accelerating market opportunities in the automotive, industrial, display and other fast-growing consumer segments.

Headquartered in Suzhou, China, Suzhou Dongshan Precision Manufacturing designs, manufactures and supplies precision sheet metal components for base stations worldwide. The Company offers its products for smart devices, precision machines, precision castings and semiconductors, as well as communications, LED lighting, building and energy applications.

#### **J. F. Lehman & Company to acquire API Technologies for \$303M EV, which implied 1.30x LTM Revenue and 14.9x LTM EBITDA.**

- Acquisition will provide API Technologies an improved liquidity and capital structure, needed to execute on various business improvement and growth plans; creating a stronger business for its customers and employees.

Headquartered in Orlando, FL, API Technologies designs, develops and manufactures systems, subsystems, modules and components for radio frequency (RF) microwave, millimeterwave, electromagnetic, power and security applications. The Company operates in three segments: Systems, Subsystems and Components (SSC); Electronic Manufacturing Services (EMS) and Secure Systems and Information Assurance (SSIA). The Company primarily serves to defense, commercial, industrial and non-defense government markets in the United States, United Kingdom, Canada, China, Germany and internationally.

#### **Mercury Systems to acquire Microsemi's RF Integrated Solutions for \$300M EV, which implied 3.00x LTM Revenue and 10.7x LTM EBITDA.**

- Acquisition will position Mercury as the defense industry's largest commercial embedded secure processing company and add secure solid-state storage to its array of industry-leading, pre-integrated processing subsystems capabilities.
- Acquisition will provide Mercury new capabilities in embedded security and mixed signal system-on-chip processing.

Headquartered in Orlando, FL, Microsemi Corporation designs, manufactures and markets analog and mixed-signal semiconductor solutions in the United States, Europe and Asia. The Company offers analog mixed-signal integrated circuits; field programmable gate arrays; system on chip solutions and application-specific integrated circuits; power management products and timing and synchronization devices and precise time solutions.

*Source: Company Press Releases, Equity Research, Industry Research, Online Publications and Navidar Research.*

*Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents) and LTM = Last Twelve Months.*





## Specialty Manufacturing Sector M&A Review (Cont.)

### Review of Selected Aerospace & Defense Transactions in Q1

#### Albany International to acquire Blue Falcon I for \$210M EV, which implied 2.73x LTM Revenue.

- **Combination will create a major force in aerospace composites, which should be able to realize significant new long-term growth opportunities.**
- **Acquisition would have been justifiable on a stand-alone basis given the division's growth potential, and each division has the capability to realize its respective growth potential on its own.**

Headquartered in Melbourne, FL, Blue Falcon is a supplier of advanced composite products primarily for airframe applications. The company has significant positions on three major growth platforms: Lockheed's Joint Strike Fighter (JSF), Boeing's 787 and Sikorsky's CH-53K. It also supplies the vacuum waste tanks for most of Boeing's 7-Series aircraft and components of the airframe of a Lockheed Martin family of air-to-surface missiles.

#### American Air Filter to acquire Flanders Holdings for \$430M EV, which implied 1.44x LTM Revenue.

- **Deal will enable American Air Filter to leverage Flander's global sales network to market the cleanroom equipment and high-end air filter products, which will make it a leading manufacturer in the largest air filter market.**
- **Combination will also improve air environments in homes, buildings and factories; better address global environmental issues, including mitigating air pollution and meeting the increasing need of creation of comfortable air environments worldwide.**

Headquartered in Washington, NC, Flanders Holdings is a leading manufacturer of air filters in the US, particularly products with high functionality and high value-add, which are used in industrial cleanrooms in the pharmaceutical and food processing industries. The Company offers products for commercial to residential use and has a nationwide sales network. Its manufacturing bases are near most major US cities, including Chicago and New York.

#### Aegion acquired Underground Solutions for \$85M EV. Valuation was not disclosed.

- **Acquisition allows Aegion's Insituform and Tyfo / Fibrwrap customer solutions to complement by Underground Solution's patented PVC pipe and pipe fusing technologies, which will enable Aegion to further advance its strategy and expand in the trenchless pressure pipe rehabilitation market.**
- **Combination creates a more effective and less disruptive alternative to significantly reduce water loss in aging pipeline infrastructure.**

Headquartered in Poway, CA, Underground Solutions provides infrastructure technologies for water, sewer and conduit applications. The Company offers Fusible PVC, which provides a monolithic, fully-restrained, gasket-free and leak-free piping system; Duraliner, a unique patented technology for pipeline renewal resulting in a standalone structural lining; ServiceGuard, a composite pipe that combines the performance benefits of CPVC with the strength and durability of metal to offer water service line pipe. The Company's products are used in water, sewer, electrical, industrial and telecommunications industries.

*Source: Company Press Releases, Equity Research, Industry Research, Online Publications and Navidar Research.*

*Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents) and LTM = Last Twelve Months.*





## Specialty Manufacturing Sector M&A Review (Cont.)

### Review of Selected Industrial Machinery Transactions in Q1

#### Hitachi Metals America acquired HTP-Meds, Hi-Tech Machine & Fabrication for \$84M EV. Valuation was not disclosed.

- Acquisition of HTP-Meds companies will expand capabilities of Hitachi Metals solutions in the medical cable segment, while complementing the significant ultrasound diagnostic cable and assembly business Hitachi Metals now enjoys with major OEM customers.
- Combination expands its medical tubing business in North America and also targets growing health care opportunities in other global markets, with a view towards achieving sustainable mid-term and long-term growth.

Headquartered in Ashaway, RI, HTP Meds offers solutions for medical tubing applications and products. The Company designs, develops and manufactures medical tubing products. The Company's medical tubing applications and products include PORTs, PICCs, dilators, multi-lumen tubes, multi-layer tubes and catheters. Hi-Tech Machine and Fabrication fabricates and manufactures custom machined components for aerospace, defense and medical markets. The Company offers precision molds for the plastic blow molding industry and precision machined components, downstream extrusion equipment, extrusion tooling and precision machined parts for use in defense and aerospace industries.

#### Ascent Aerospace acquired Gemcor for \$44M EV. Valuation was not disclosed.

- Combination of the complementary capabilities and technologies of Gemcor and Ascent will broaden Ascent's ability to offer new solutions across the combined customer base.
- Acquisition to bring synergy in the areas of controls engineering and robotics and foresee an excellent cultural fit with its existing businesses.

Headquartered in West Seneca, NY, Gemcor II designs, manufactures and installs aircraft assembly automation machinery and positioning and fastening systems for manufacturing industries worldwide. The Company offers wing fastening systems, fuselage fastening systems, nacelle systems, pendulum head fastening systems, rotary head systems, high speed linear heads, high upset force heads, robot solutions, farnham counter sinkers and farnham rolls, as well as manual, semi-automatic, fully automatic CNC and robotic positioning systems.

#### Kyocera to acquire SGS Tool Company. Valuation was not disclosed.

- Acquisition will expand Kyocera's lineup with solid tools and create a structure capable of providing total solutions with further added value solutions to customers.
- Acquisition to add new manufacturing and sales sites with Kyocera, which will further strengthen and expand its cutting tool business in North America.

Headquartered in Munroe Falls, OH, SGS Tool designs, engineers, manufactures and delivers solid carbide rotary cutting tools. The Company offers end mills for various applications and burs for foundries and castings, mold and die, and turbine manufacturing and repair applications. The Company also provides precision solid carbide drills; solid carbide routers; tool coatings; reamers and jig boring tools; key seat cutters; saws and countersinks and internal grinding tools.

*Source: Company Press Releases, Equity Research, Industry Research, Online Publications and Navidar Research.*

*Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest - Cash and Cash Equivalents) and LTM = Last Twelve Months.*



## Specialty Manufacturing Sector M&A Review (Cont.)

### Review of Selected Industrial Machinery Transactions in Q1

#### Rockwell Automation acquired MagneMotion. Valuation was not disclosed.

- **Acquisition to complement Rockwell Automation's iTRAK to create the broadest portfolio of independent cart solutions in this emerging technology area.**

Headquartered in Devens, MA, MagneMotion develops and manufactures linear synchronous motor products and systems used in assembly automation, material handling and transportation applications. The Company offers LSM propulsion and control systems; heavy-duty LSM-based solutions for material handling and transport of various loads, such as gantry systems, cargo load / unload systems, ore and bulk material transport systems, commercial elevators, and vertical lifts and fault-tolerant controls.

#### Aalberts Industries to acquire Ushers Machine & Tool. Valuation was not disclosed.

- **Acquisition to strengthen Aalberts's position in the end market by combining high grade technologies and excellent service, close to their Key Accounts.**

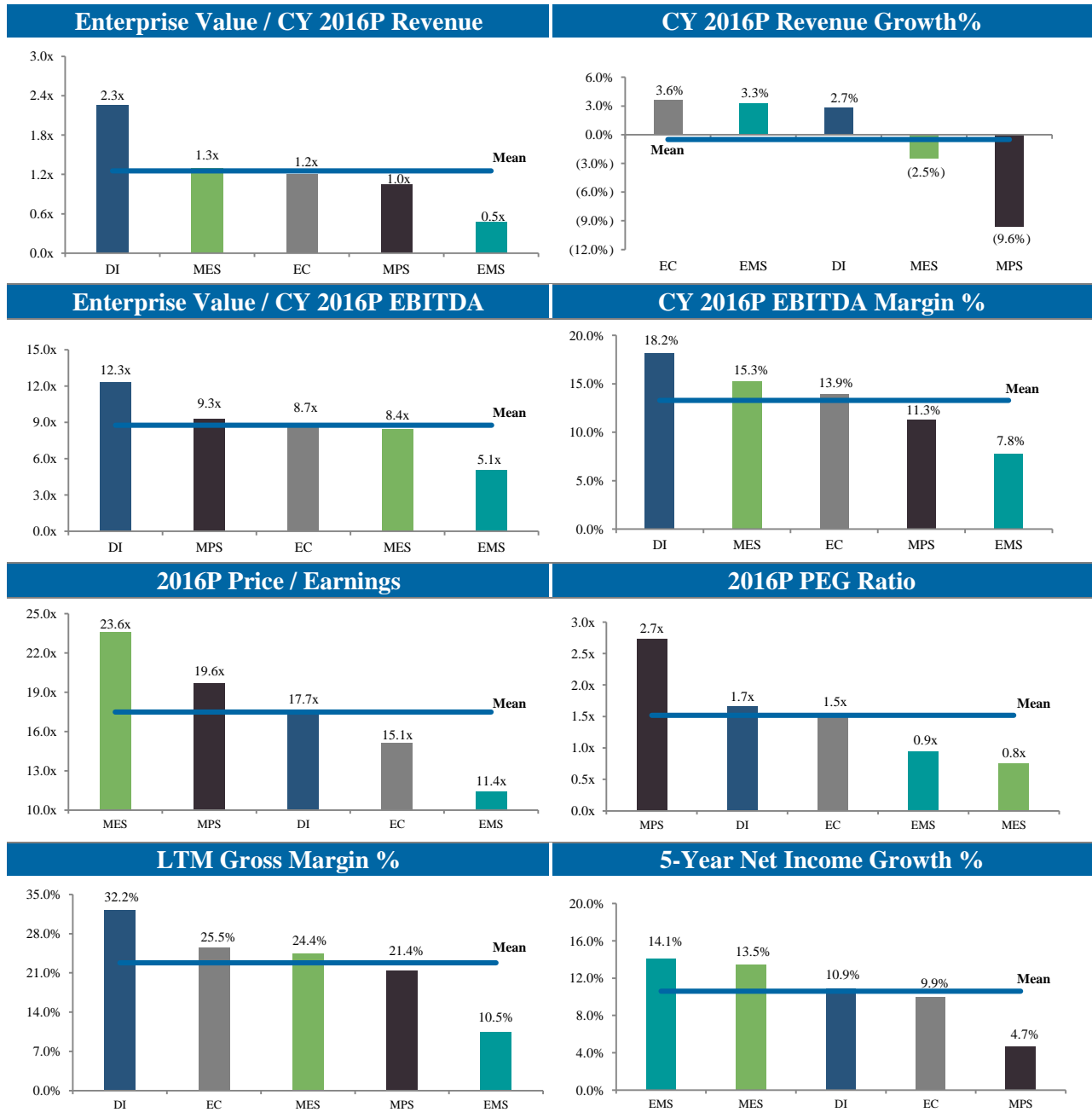
Headquartered in Round Lake, NY, Ushers Machine & Tool engages in precision machining, welding, assembly and testing. The Company offers manufacturing services, including certified boiler and pressure vessel welding and fabrication, electro-mechanical assembly, NIST calibrated air and liquid flow testing, sandblasting and paint shop, as well as precision multi-axis CNC machining, turning, milling and broach and gun drilling and support services, such as manufacturing / sales engineering, CAD/CAM and CNC programming, CMM inspection with SPC analysis and optical comparator services.

*Source: Company Press Releases, Equity Research, Industry Research, Online Publications and Navidar Research.*

*Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents) and LTM = Last Twelve Months.*



## Comparable Public Company Valuation Metrics - Specialty Manufacturing Sector



Source: S&P Capital IQ.

Note: Market data as of Q1 2016 quarter end.

Note: Estimates based on consensus of equity research analyst estimates.

Note: Multiples excludes outlier for EV / CY Revenue > 20x, EV / CY EBITDA > 40x, P / E > 60x and PEG > 3x.

Note: MES (Manufacturing and Engineering Services), MPS (Metal Processing Services), EC (Engineered Components), DI (Diversified Industrials) and EMS (Electronic Manufacturing Services).

Note: CY = Calendar Year and LTM = Last Twelve Months.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest - Cash and Cash Equivalents).



## Appendix – Comparable Public Company Analysis

### Manufacturing and Engineering Services – Valuation Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Valuation Metrics							
							EV / CY Revenue		EV / CY EBITDA		P / E		PEG Ratio	
							2016P	2017P	2016P	2017P	2016P	2017P	2016P	2017P
<b>Manufacturing and Engineering Services</b>														
Barnes Group	\$35.03	84%	1.17x	\$1,880.4	\$426.3	\$2,306.7	1.9x	1.8x	8.1x	7.8x	14.0x	13.0x	1.27x	1.18x
Ducommun	15.25	46%	1.24x	169.2	239.6	408.8	0.7x	0.7x	7.3x	6.9x	9.5x	7.9x	0.63x	0.53x
LMI Aerospace	8.51	67%	1.05x	110.1	239.5	349.6	0.9x	0.9x	7.6x	6.8x	48.7x	16.0x	NM	1.07x
Raven Industries	16.02	72%	1.24x	581.2	(33.8)	547.5	2.1x	2.0x	14.0x	12.4x	40.1x	32.0x	NM	NM
TechPrecision	0.23	88%	4.17x	6.3	4.2	10.4	NA	NA	NA	NA	NA	NA	NA	NA
Triumph Group	31.48	45%	1.37x	1,552.9	1,640.6	3,193.5	0.8x	0.8x	5.1x	5.0x	5.7x	5.5x	0.35x	0.34x
<b>Mean</b>							<b>1.3x</b>	<b>1.2x</b>	<b>8.4x</b>	<b>7.8x</b>	<b>23.6x</b>	<b>14.9x</b>	<b>0.75x</b>	<b>0.78x</b>
<b>Median</b>							<b>0.9x</b>	<b>0.9x</b>	<b>7.6x</b>	<b>6.9x</b>	<b>14.0x</b>	<b>13.0x</b>	<b>0.63x</b>	<b>0.80x</b>

### Manufacturing and Engineering Services – Operating Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Operating Metrics								
							CY Rev. Growth		GM	CY EBITDA Margin		S&M Mgn.	R&D Mgn.	G&A Mgn.	5-Yr NI
							2016P	2017P	LTM	2016P	2017P	LTM	LTM	LTM	Growth %
<b>Manufacturing and Engineering Services</b>															
Barnes Group	\$35.03	84%	1.17x	\$1,880.4	\$426.3	\$2,306.7	3.0%	3.9%	34.4%	23.0%	23.1%	0.0%	0.0%	0.0%	11.0%
Ducommun	15.25	46%	1.24x	169.2	239.6	408.8	(12.6%)	2.9%	15.1%	9.6%	9.9%	0.0%	0.0%	0.0%	15.0%
LMI Aerospace	8.51	67%	1.05x	110.1	239.5	349.6	(1.3%)	6.5%	18.3%	12.4%	13.0%	0.0%	0.0%	0.0%	15.0%
Raven Industries	16.02	72%	1.24x	581.2	(33.8)	547.5	(0.3%)	3.8%	25.2%	15.2%	16.5%	0.0%	5.7%	0.0%	10.0%
TechPrecision	0.23	88%	4.17x	6.3	4.2	10.4	NM	NA	29.2%	NA	NA	0.0%	0.0%	13.7%	NM
Triumph Group	31.48	45%	1.37x	1,552.9	1,640.6	3,193.5	(1.2%)	0.0%	24.0%	16.2%	16.6%	0.0%	0.0%	0.0%	16.3%
<b>Mean</b>							<b>(2.5%)</b>	<b>3.4%</b>	<b>24.4%</b>	<b>15.3%</b>	<b>15.8%</b>	<b>0.0%</b>	<b>0.9%</b>	<b>2.3%</b>	<b>13.5%</b>
<b>Median</b>							<b>(1.2%)</b>	<b>3.8%</b>	<b>24.6%</b>	<b>15.2%</b>	<b>16.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>15.0%</b>

Source: S&P Capital IQ. Estimates based on consensus of equity research analyst estimates.

Note: Market data as of Q1 2016 quarter end.

Note: Multiples excludes outlier for EV / CY Revenue > 20x, EV / CY EBITDA > 40x, P / E > 60x and PEG > 3x.

Note: LTM = Last Twelve Months, CY = Calendar Year, PE = Price / Earnings Ratio, PEG = Price-to-Earnings Growth Ratio.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents).



## Appendix – Comparable Public Company Analysis (Cont.)

### Electronic Manufacturing Services – Valuation Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Valuation Metrics							
							EV / CY Revenue		EV / CY EBITDA		P / E		PEG Ratio	
							2016P	2017P	2016P	2017P	2016P	2017P	2016P	2017P
<b>Electronic Manufacturing Services</b>														
Benchmark Electronics	\$23.05	92%	1.26x	\$1,147.8	(\$230.8)	\$917.0	0.4x	0.3x	5.3x	4.8x	14.5x	12.9x	NA	NA
Celestica	11.00	81%	1.26x	1,546.7	(265.6)	1,262.6	0.2x	0.2x	4.8x	4.5x	10.0x	9.2x	NA	NA
Foxconn International Holdings	0.45	69%	1.35x	3,521.1	(2,594.3)	937.5	0.1x	0.1x	1.9x	1.7x	13.9x	12.4x	1.00x	0.89x
Flextronics International	12.06	94%	1.36x	6,615.9	1,322.2	7,973.3	0.3x	0.3x	6.0x	5.6x	10.0x	9.1x	0.50x	0.46x
Hon Hai Precision Industry	2.64	89%	1.17x	41,584.1	(12,440.2)	30,464.1	0.2x	0.2x	4.1x	4.0x	9.3x	8.9x	1.52x	1.46x
Jabil Circuit	19.27	74%	1.14x	3,671.9	1,466.3	5,156.4	0.3x	0.3x	3.9x	3.2x	9.3x	7.1x	NA	NA
Sammina	23.38	91%	1.43x	1,804.6	115.1	1,919.6	0.3x	0.3x	5.1x	4.9x	9.3x	8.9x	0.53x	0.51x
TE Connectivity	61.92	87%	1.20x	22,890.4	1,647.0	24,537.4	2.0x	1.9x	9.2x	8.7x	14.8x	13.6x	1.14x	1.05x
<b>Mean</b>							<b>0.5x</b>	<b>0.5x</b>	<b>5.1x</b>	<b>4.7x</b>	<b>11.4x</b>	<b>10.3x</b>	<b>0.94x</b>	<b>0.87x</b>
<b>Median</b>							<b>0.3x</b>	<b>0.3x</b>	<b>4.9x</b>	<b>4.7x</b>	<b>10.0x</b>	<b>9.1x</b>	<b>1.00x</b>	<b>0.89x</b>

### Electronic Manufacturing Services – Operating Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Operating Metrics								
							CY Rev. Growth		GM	CY EBITDA Margin		S&M Mgn.	R&D Mgn.	G&A Mgn.	5-Yr NI
							2016P	2017P	LTM	2016P	2017P	LTM	LTM	LTM	Growth %
<b>Electronic Manufacturing Services</b>															
Benchmark Electronics	\$23.05	92%	1.26x	\$1,147.8	(\$230.8)	\$917.0	1.4%	4.7%	8.6%	6.8%	7.0%	0.0%	0.0%	0.0%	NM
Celestica	11.00	81%	1.26x	1,546.7	(265.6)	1,262.6	2.4%	2.5%	6.9%	4.6%	4.7%	0.0%	0.4%	0.0%	NM
Foxconn International Holdings	0.45	69%	1.35x	3,521.1	(2,594.3)	937.5	9.6%	9.4%	4.8%	5.9%	6.1%	0.2%	1.5%	2.5%	13.9%
Flextronics International	12.06	94%	1.36x	6,615.9	1,322.2	7,973.3	0.1%	3.8%	6.4%	5.4%	5.3%	0.0%	0.0%	0.0%	20.0%
Hon Hai Precision Industry	2.64	89%	1.17x	41,584.1	(12,440.2)	30,464.1	3.1%	3.2%	7.2%	5.2%	5.3%	0.6%	1.2%	1.7%	6.1%
Jabil Circuit	19.27	74%	1.14x	3,671.9	1,466.3	5,156.4	0.2%	8.5%	8.8%	7.1%	7.9%	0.0%	0.2%	0.0%	NM
Sammina	23.38	91%	1.43x	1,804.6	115.1	1,919.6	6.2%	2.0%	7.7%	5.7%	5.8%	0.0%	0.6%	0.0%	17.5%
TE Connectivity	61.92	87%	1.20x	22,890.4	1,647.0	24,537.4	3.1%	4.8%	33.5%	21.4%	21.7%	0.0%	5.2%	0.0%	13.0%
<b>Mean</b>							<b>3.3%</b>	<b>4.9%</b>	<b>10.5%</b>	<b>7.8%</b>	<b>8.0%</b>	<b>0.1%</b>	<b>1.1%</b>	<b>0.5%</b>	<b>14.1%</b>
<b>Median</b>							<b>2.7%</b>	<b>4.2%</b>	<b>7.4%</b>	<b>5.8%</b>	<b>6.0%</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>13.9%</b>

Source: S&P Capital IQ. Estimates based on consensus of equity research analyst estimates.

Note: Market data as of Q1 2016 quarter end.

Note: Multiples excludes outlier for EV / CY Revenue > 20x, EV / CY EBITDA > 40x, P / E > 60x and PEG > 3x.

Note: LTM = Last Twelve Months, CY = Calendar Year, PE = Price / Earnings Ratio, PEG = Price-to-Earnings Growth Ratio.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents).



## Appendix – Comparable Public Company Analysis (Cont.)

### Metal Processing Services – Valuation Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Valuation Metrics							
							EV / CY Revenue		EV / CY EBITDA		P / E		PEG Ratio	
							2016P	2017P	2016P	2017P	2016P	2017P	2016P	2017P
<b>Metal Processing Services</b>														
Carpenter Technology	\$34.23	75%	1.43x	\$1,603.1	\$625.6	\$2,228.7	1.2x	1.0x	8.2x	6.2x	24.1x	13.5x	NA	NA
Kennametal	22.49	56%	1.49x	1,791.8	567.7	2,388.9	1.2x	1.1x	10.0x	8.8x	24.0x	16.9x	NM	NM
Reliance Steel & Aluminum	69.19	97%	1.38x	4,972.4	1,824.4	6,825.4	0.8x	0.7x	9.1x	8.1x	16.4x	13.5x	2.73x	2.25x
Worthington Industries	35.64	96%	1.69x	2,184.2	585.7	2,863.9	1.0x	1.0x	9.8x	8.6x	14.0x	12.2x	NM	NM
<b>Mean</b>							<b>1.0x</b>	<b>1.0x</b>	<b>9.3x</b>	<b>7.9x</b>	<b>19.6x</b>	<b>14.0x</b>	<b>2.73x</b>	<b>2.25x</b>
<b>Median</b>							<b>1.1x</b>	<b>1.0x</b>	<b>9.5x</b>	<b>8.3x</b>	<b>20.2x</b>	<b>13.5x</b>	<b>2.73x</b>	<b>2.25x</b>

### Metal Processing Services – Operating Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Operating Metrics								
							CY Rev. Growth		GM	CY EBITDA Margin		S&M Mgn.	R&D Mgn.	G&A Mgn.	5-Yr NI
							2016P	2017P	LTM	2016P	2017P	LTM	LTM	LTM	Growth %
<b>Metal Processing Services</b>															
Carpenter Technology	\$34.23	75%	1.43x	\$1,603.1	\$625.6	\$2,228.7	(7.1%)	16.7%	14.7%	14.4%	16.2%	0.0%	0.0%	0.0%	NM
Kennametal	22.49	56%	1.49x	1,791.8	567.7	2,388.9	(14.7%)	5.7%	29.2%	11.8%	12.7%	0.0%	0.0%	0.0%	5.0%
Reliance Steel & Aluminum	69.19	97%	1.38x	4,972.4	1,824.4	6,825.4	(5.4%)	7.9%	27.2%	8.5%	8.9%	0.0%	0.0%	0.0%	6.0%
Worthington Industries	35.64	96%	1.69x	2,184.2	585.7	2,863.9	(11.3%)	4.0%	14.4%	10.5%	11.7%	0.0%	0.0%	0.0%	3.0%
<b>Mean</b>							<b>(9.6%)</b>	<b>8.6%</b>	<b>21.4%</b>	<b>11.3%</b>	<b>12.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>4.7%</b>
<b>Median</b>							<b>(9.2%)</b>	<b>6.8%</b>	<b>21.0%</b>	<b>11.2%</b>	<b>12.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.0%</b>

Source: S&P Capital IQ. Estimates based on consensus of equity research analyst estimates.

Note: Market data as of Q1 2016 quarter end.

Note: Multiples excludes outlier for EV / CY Revenue > 20x, EV / CY EBITDA > 40x, P / E > 60x and PEG > 3x.

Note: LTM = Last Twelve Months, CY = Calendar Year, PE = Price / Earnings Ratio, PEG = Price-to-Earnings Growth Ratio.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents).



## Appendix – Comparable Public Company Analysis (Cont.)

### Engineered Components – Valuation Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Valuation Metrics							
							EV / CY Revenue		EV / CY EBITDA		P / E		PEG Ratio	
							2016P	2017P	2016P	2017P	2016P	2017P	2016P	2017P
<b>Engineered Components</b>														
Allegheny Technologies	\$16.30	43%	2.30x	\$1,775.3	\$1,345.9	\$3,234.9	1.0x	0.9x	12.6x	7.5x	NM	27.2x	NA	1.81x
Bradken	0.46	24%	1.63x	79.5	298.3	394.3	0.6x	0.6x	4.9x	4.8x	4.0x	3.2x	0.34x	0.27x
Crane	53.86	83%	1.29x	3,139.2	435.4	3,586.0	1.3x	1.3x	8.0x	7.6x	13.5x	12.4x	2.11x	1.94x
Curtiss-Wright	75.67	98%	1.30x	3,369.5	665.6	4,035.1	1.8x	1.8x	9.7x	9.2x	18.4x	16.8x	1.64x	1.49x
EnPro Industries	57.68	83%	1.54x	1,265.8	565.1	1,830.9	1.5x	1.4x	10.0x	9.6x	23.5x	24.5x	1.88x	1.96x
Heroux-Devtek	10.56	97%	1.44x	380.0	91.7	478.2	1.5x	1.3x	9.5x	7.7x	18.0x	13.8x	NA	NA
Kaman	42.69	96%	1.22x	1,153.2	424.4	1,577.6	0.9x	0.8x	9.2x	8.7x	16.4x	15.0x	1.86x	1.69x
Milacron Holdings	16.49	77%	1.43x	1,108.4	872.2	1,980.6	1.7x	1.6x	8.9x	8.3x	10.8x	9.8x	1.38x	1.25x
Park-Ohio Holdings	42.82	74%	1.82x	530.7	406.1	943.7	0.6x	0.6x	7.1x	6.6x	10.4x	9.3x	NA	NA
Quanex Building Products	17.36	79%	1.13x	594.0	293.1	887.2	0.9x	0.8x	7.6x	6.6x	20.9x	13.8x	1.23x	0.81x
Standex International	77.81	84%	1.19x	998.5	5.3	1,003.8	1.3x	1.2x	9.1x	8.1x	15.3x	13.2x	1.32x	1.14x
Timken	33.49	78%	1.51x	2,658.6	518.4	3,197.1	1.2x	1.1x	8.1x	7.6x	17.1x	15.1x	NM	NM
TriMas	17.52	54%	1.19x	794.2	403.4	1,197.6	1.4x	1.3x	8.0x	7.4x	12.7x	11.4x	1.81x	1.63x
<b>Mean</b>							<b>1.2x</b>	<b>1.1x</b>	<b>8.7x</b>	<b>7.7x</b>	<b>15.1x</b>	<b>14.3x</b>	<b>1.51x</b>	<b>1.40x</b>
<b>Median</b>							<b>1.3x</b>	<b>1.2x</b>	<b>8.9x</b>	<b>7.6x</b>	<b>15.8x</b>	<b>13.8x</b>	<b>1.64x</b>	<b>1.56x</b>

### Engineered Components – Operating Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Operating Metrics								
							CY Rev. Growth		GM	CY EBITDA Margin		S&M Mgn.	R&D Mgn.	G&A Mgn.	5-Yr NI
							2016P	2017P	LTM	2016P	2017P	LTM	LTM	LTM	Growth %
<b>Engineered Components</b>															
Allegheny Technologies	\$16.30	43%	2.30x	\$1,775.3	\$1,345.9	\$3,234.9	(11.4%)	6.8%	1.6%	7.8%	12.2%	0.0%	0.0%	0.0%	15.0%
Bradken	0.46	24%	1.63x	79.5	298.3	394.3	(1.5%)	1.7%	18.3%	12.8%	12.9%	0.0%	0.0%	6.5%	12.0%
Crane	53.86	83%	1.29x	3,139.2	435.4	3,586.0	(1.5%)	3.0%	34.8%	16.7%	16.9%	0.0%	0.0%	0.0%	6.4%
Curtiss-Wright	75.67	98%	1.30x	3,369.5	665.6	4,035.1	(0.2%)	2.4%	35.5%	18.9%	19.4%	5.5%	2.8%	13.2%	11.2%
EnPro Industries	57.68	83%	1.54x	1,265.8	565.1	1,830.9	2.8%	3.7%	32.8%	14.8%	14.9%	0.0%	0.0%	0.0%	12.6%
Heroux-Devtek	10.56	97%	1.44x	380.0	91.7	478.2	14.4%	15.9%	17.6%	15.5%	16.4%	0.0%	0.0%	0.0%	NM
Kaman	42.69	96%	1.22x	1,153.2	424.4	1,577.6	3.9%	3.7%	29.1%	9.3%	9.5%	0.0%	0.4%	0.0%	8.9%
Milacron Holdings	16.49	77%	1.43x	1,108.4	872.2	1,980.6	0.9%	2.8%	34.2%	18.7%	19.5%	0.0%	0.0%	0.0%	7.8%
Park-Ohio Holdings	42.82	74%	1.82x	530.7	406.1	943.7	3.1%	5.5%	16.1%	8.9%	9.0%	0.0%	0.0%	0.0%	NM
Quanex Building Products	17.36	79%	1.13x	594.0	293.1	887.2	39.2%	6.9%	23.1%	11.6%	12.5%	0.0%	0.0%	0.0%	17.0%
Standex International	77.81	84%	1.19x	998.5	5.3	1,003.8	2.8%	5.9%	32.8%	14.0%	14.9%	0.7%	0.0%	0.0%	11.6%
Timken	33.49	78%	1.51x	2,658.6	518.4	3,197.1	(4.7%)	3.5%	27.9%	14.5%	14.8%	0.0%	0.0%	0.0%	(0.1%)
TriMas	17.52	54%	1.19x	794.2	403.4	1,197.6	(0.8%)	3.7%	27.3%	17.5%	18.1%	0.1%	0.0%	0.0%	7.0%
<b>Mean</b>							<b>3.6%</b>	<b>5.0%</b>	<b>25.5%</b>	<b>13.9%</b>	<b>14.7%</b>	<b>0.5%</b>	<b>0.2%</b>	<b>1.5%</b>	<b>9.9%</b>
<b>Median</b>							<b>0.9%</b>	<b>3.7%</b>	<b>27.9%</b>	<b>14.5%</b>	<b>14.9%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>11.2%</b>

Source: S&P Capital IQ. Estimates based on consensus of equity research analyst estimates.

Note: Market data as of Q1 2016 quarter end.

Note: Multiples excludes outlier for EV / CY Revenue > 20x, EV / CY EBITDA > 40x, P / E > 60x and PEG > 3x.

Note: LTM = Last Twelve Months, CY = Calendar Year, PE = Price / Earnings Ratio, PEG = Price-to-Earnings Growth Ratio.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents).





## Appendix – Comparable Public Company Analysis (Cont.)

### Diversified Industrials – Valuation Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Valuation Metrics							
							EV / CY Revenue		EV / CY EBITDA		P / E		PEG Ratio	
							2016P	2017P	2016P	2017P	2016P	2017P	2016P	2017P
<b>Diversified Industrials</b>														
Danaher	\$94.86	97%	1.17x	\$65,183.5	\$12,079.6	\$77,336.8	3.4x	3.3x	14.5x	13.5x	19.4x	17.7x	1.44x	1.31x
Dover	64.33	82%	1.26x	9,978.8	2,406.3	12,385.1	1.8x	1.7x	10.1x	9.6x	18.1x	16.1x	1.49x	1.32x
General Electric	31.79	99%	1.64x	295,174.3	187,904.0	487,920.3	3.9x	3.8x	24.9x	24.5x	21.2x	18.1x	2.27x	1.94x
Honeywell International	112.05	99%	1.29x	85,307.6	4,533.0	90,265.6	2.2x	2.2x	10.7x	10.0x	17.0x	15.5x	1.79x	1.63x
Illinois Tool Works	102.44	99%	1.30x	36,966.1	4,332.0	41,302.1	3.1x	3.0x	12.0x	11.3x	18.7x	17.1x	1.89x	1.72x
Parker-Hannifin	111.08	89%	1.33x	15,007.2	1,431.0	16,441.5	1.5x	1.4x	10.2x	9.8x	18.2x	16.5x	1.67x	1.52x
Textron	36.46	78%	1.19x	9,886.9	2,664.0	12,550.9	0.9x	0.8x	7.6x	7.1x	13.5x	12.1x	1.12x	1.00x
Tyco International	36.71	84%	1.27x	15,587.7	1,935.0	17,559.7	1.8x	1.8x	11.5x	10.9x	17.4x	15.3x	1.66x	1.45x
United Technologies	100.10	84%	1.20x	83,756.7	13,350.0	98,714.7	1.7x	1.7x	9.2x	8.9x	15.4x	14.4x	1.56x	1.45x
<b>Mean</b>							<b>2.3x</b>	<b>2.2x</b>	<b>12.3x</b>	<b>11.7x</b>	<b>17.7x</b>	<b>15.9x</b>	<b>1.65x</b>	<b>1.48x</b>
<b>Median</b>							<b>1.8x</b>	<b>1.8x</b>	<b>10.7x</b>	<b>10.0x</b>	<b>18.1x</b>	<b>16.1x</b>	<b>1.66x</b>	<b>1.45x</b>

### Diversified Industrials – Operating Metrics

(\$ in millions, except per share values)

	Share Price	% of 52-Week High	Current Share Price as a Multiple of 52-Wk low	Equity Value	Net Debt	Enterprise Value	Operating Metrics								
							CY Rev. Growth		GM	CY EBITDA Margin		S&M Mgn.	R&D Mgn.	G&A Mgn.	5-Yr NI
							2016P	2017P	LTM	2016P	2017P	LTM	LTM	LTM	Growth %
<b>Diversified Industrials</b>															
Danaher	\$94.86	97%	1.17x	\$65,183.5	\$12,079.6	\$77,336.8	10.8%	4.0%	52.6%	23.4%	24.2%	0.0%	6.0%	0.0%	13.5%
Dover	64.33	82%	1.26x	9,978.8	2,406.3	12,385.1	(1.1%)	3.0%	37.2%	17.9%	18.1%	0.0%	0.0%	0.0%	12.2%
General Electric	31.79	99%	1.64x	295,174.3	187,904.0	487,920.3	8.6%	1.0%	21.6%	15.5%	15.7%	0.0%	0.0%	0.0%	9.3%
Honeywell International	112.05	99%	1.29x	85,307.6	4,533.0	90,265.6	5.0%	3.4%	30.7%	20.8%	21.6%	0.0%	0.0%	0.0%	9.5%
Illinois Tool Works	102.44	99%	1.30x	36,966.1	4,332.0	41,302.1	(0.3%)	3.2%	41.2%	25.8%	26.5%	0.0%	0.0%	0.0%	9.9%
Parker-Hannifin	111.08	89%	1.33x	15,007.2	1,431.0	16,441.5	(4.6%)	1.9%	23.5%	14.2%	14.6%	0.0%	0.0%	0.0%	10.9%
Textron	36.46	78%	1.19x	9,886.9	2,664.0	12,550.9	5.6%	4.2%	18.0%	11.7%	11.9%	0.0%	0.0%	0.0%	12.1%
Tyco International	36.71	84%	1.27x	15,587.7	1,935.0	17,559.7	(0.5%)	2.5%	36.7%	15.6%	16.1%	0.2%	0.0%	0.0%	10.5%
United Technologies	100.10	84%	1.20x	83,756.7	13,350.0	98,714.7	1.3%	4.0%	28.3%	18.9%	18.9%	0.0%	4.1%	0.0%	9.9%
<b>Mean</b>							<b>2.7%</b>	<b>3.0%</b>	<b>32.2%</b>	<b>18.2%</b>	<b>18.6%</b>	<b>0.0%</b>	<b>1.1%</b>	<b>0.0%</b>	<b>10.9%</b>
<b>Median</b>							<b>1.3%</b>	<b>3.2%</b>	<b>30.7%</b>	<b>17.9%</b>	<b>18.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>10.5%</b>

Source: S&P Capital IQ. Estimates based on consensus of equity research analyst estimates.

Note: Market data as of Q1 2016 quarter end.

Note: Multiples excludes outlier for EV / CY Revenue > 20x, EV / CY EBITDA > 40x, P / E > 60x and PEG > 3x.

Note: LTM = Last Twelve Months, CY = Calendar Year, PE = Price / Earnings Ratio, PEG = Price-to-Earnings Growth Ratio.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents).



## Appendix – Q1 Selected Specialty Manufacturing M&A Transactions

### Selected Global Specialty Manufacturing M&A Comparables (Deals > \$ 10 million or Disclosed Multiples)

Date	Acquirer	Target	Enterprise Value (\$USDmm)	Valuation Metrics	
				EV / LTM Revenues	EV / LTM EBITDA
3/30/2016	Human Planning 21	NSV	\$36	1.3x	NA
3/28/2016	Hubei Kaile Science and Technology	Jiangjiminke Industrial	34	6.0x	NA
3/25/2016	Beijing Chieftain Control Engineering Tech.	Beijing BRSHOO Technology	20	NA	NA
3/25/2016	Janel	INDCO	11	NA	NA
3/23/2016	Mercury Systems	Microsemi - RF Integrated Solutions	300	3.0x	10.7x
3/23/2016	Parpro	Cal Quality Electronics	24	NA	NA
3/23/2016	Anderson Industrial	Cal Quality Electronics	24	NA	NA
3/22/2016	Guangzhou Devotion Thermal Technology	Guangzhou Devotion Domestic Boilers	113	NA	NA
3/22/2016	Janis	Fine Tech Takahashi	0	0.0x	NA
3/18/2016	KKR & Co	Airbus, Defence Electronics Business	1,241	NA	NA
3/18/2016	Rasa	Pacific Machinery & Engineering	30	0.7x	NA
3/18/2016	Open Joint Stock Company Russian Helicopters	PJSC Rostov Helicopter Production	1,109	1.4x	4.2x
3/17/2016	Kongsberg Defence & Aerospace	Patria	617	1.3x	NA
3/17/2016	LORD	SKF, Fly-by-Wire Business	44	1.1x	NA
3/17/2016	Yaskawa Electric Korea	Doolim Robotics	69	NA	NA
3/15/2016	SC Engineering	Sewon Cellontech	269	1.2x	NM
3/14/2016	GIMA	Komax Systems	35	NA	NA
3/9/2016	SKIL Infrastructure	Rosoboronservice (India)	1	0.1x	NA
3/7/2016	Heartnex; Global Growth 1 Fund	PARK & OPC	48	3.9x	NM
3/7/2016	Ipact Korea	PARK & OPC	48	3.9x	NM
3/7/2016	Heartnex	PARK & OPC	48	4.0x	NM
2/29/2016	J.F. Lehman & Company	API Technologies	303	1.3x	15.0x
2/29/2016	Albany International	Blue Falcon I	210	2.7x	NA
2/29/2016	Telcon Holdings	Telcon	43	1.8x	NM
2/26/2016	Beijing Linksun Technology	DST Robot	56	2.5x	23.7x
2/25/2016	General Atomics	Miltec	15	0.5x	NA
2/25/2016	Beijing Huachuang Yisheng AMC	Shenke Slide Bearing	835	NM	NM
2/24/2016	Quantech Services	The KEYW, Engineering & Technical Business	12	NA	NA
2/18/2016	Actuant	Larzep	15	2.1x	NA
2/16/2016	Consolidated Water U.S. Holdings	Aerex Industries	15	0.8x	NA
2/15/2016	Hyster-Yale Materials Handling	Bolzoni	154	1.0x	10.6x
2/15/2016	Ratos	Airteam	86	1.3x	NA
2/15/2016	Synergo SGR	Toscotec	66	0.6x	NA
2/15/2016	Hyster-Yale International	Bolzoni	161	1.0x	11.1x
2/14/2016	Unis Technology Strategy Investment	Sun East Technology Holdings	317	3.1x	NA
2/12/2016	DAECHANG	Essen Tech	60	1.0x	18.5x
2/9/2016	American Air Filter	Flanders Holdings	430	1.4x	NA
2/6/2016	Chengdu Techcent Environment	Bilfinger Water Technologies	223	0.7x	NA
2/5/2016	Hubei Huachangda Intelligent Equipment	Xi'an Long Technology & Development	14	NA	NA
2/4/2016	Suzhou Dongshan Precision Manufacturing	Multi-Fineline Electronix	407	0.6x	4.7x
2/4/2016	Arlington Capital Partners	iRobot, Defense & Security Business	45	NA	NA
2/3/2016	Veolia Environnement	Kurion	350	NA	NA
2/3/2016	Investor Group	AIM Aerospace	220	NA	NA
2/2/2016	Investor Group	Nantong Metalforming Equipment	487	NM	NM
2/2/2016	China Tungsten and Hightech Material	HPTec	20	0.7x	NA
2/1/2016	DMT Holdings	Doosan Infracore, Machine Tool Business	940	NA	NA
2/1/2016	Daeho Technology	Nextum	16	1.2x	10.5x
2/1/2016	BHA Altair	TDC Filter Manufacturing	11	NA	NA

Source: S&P Capital IQ.

Note: LTM = Last Twelve Months.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents).



## Appendix – Q1 Selected Specialty Manufacturing M&A Transactions

### Selected Global Specialty Manufacturing M&A Comparables (Deals > \$ 10 million or Disclosed Multiples)

Date	Acquirer	Target	Enterprise Value (\$USDmm)	Valuation Metrics	
				EV / LTM Revenues	EV / LTM EBITDA
2/1/2016	Hengst Automotive	Nordic Air Filtration	\$11	0.7x	NA
2/1/2016	Acme United	Vogel Capital	7	1.3x	7.0x
1/31/2016	Hangzhou Youngsun Intelligent Equipment	Ningbo Xincheng Machinery Manufacture	43	NA	NA
1/29/2016	Aktieselskabet Schouw & Co	GPV International	58	0.5x	5.0x
1/29/2016	Hanbell Precise Machinery (Hong Kong)	Hanbell Precise Machinery	61	NA	NA
1/29/2016	Novo Tellus Capital Partners	Smartflex Technology and Smartflex Innovation	18	NA	NA
1/29/2016	Totech	D.S. Tech Co	8	0.1x	NA
1/27/2016	Zamet Industry	Fabryka Urzadzen Gomictwa Odkrywkiego	11	NA	NA
1/26/2016	ALCONIX	MARKTEC	60	NA	NA
1/22/2016	TIP pre - IPO	Beta Utensili	216	1.7x	NA
1/21/2016	Hitachi Metals America	HTP Meds; Hi-Tech Machine and Fabrication	84	NA	NA
1/15/2016	Procuritas Partners	Dantherm and European Subsidiaries	24	0.5x	NA
1/14/2016	EMMEGI	elumatec	84	NA	NA
1/12/2016	Ham-Let (Israel Canada)	Jiangsu Xinghe Valve	18	NA	NA
1/11/2016	Investor Group	KraussMaffei Group	1,007	NA	NA
1/8/2016	GE Aviation	Convergence Fuel Systems	573	NA	NA
1/8/2016	Changyuan Group	Shenzhen Taowine Industrial	152	NA	NA
1/5/2016	Ascent Aerospace	Gemcor II	44	NA	NA
1/5/2016	Bookang Construction	PARK & OPC	44	3.6x	NM
1/4/2016	Aegion	Underground Solutions	85	NA	NA

<b>Mean<sup>(1)</sup></b>	<b>1.5x</b>	<b>11.0x</b>
<b>Median<sup>(1)</sup></b>	<b>1.2x</b>	<b>10.6x</b>

Source: S&P Capital IQ.

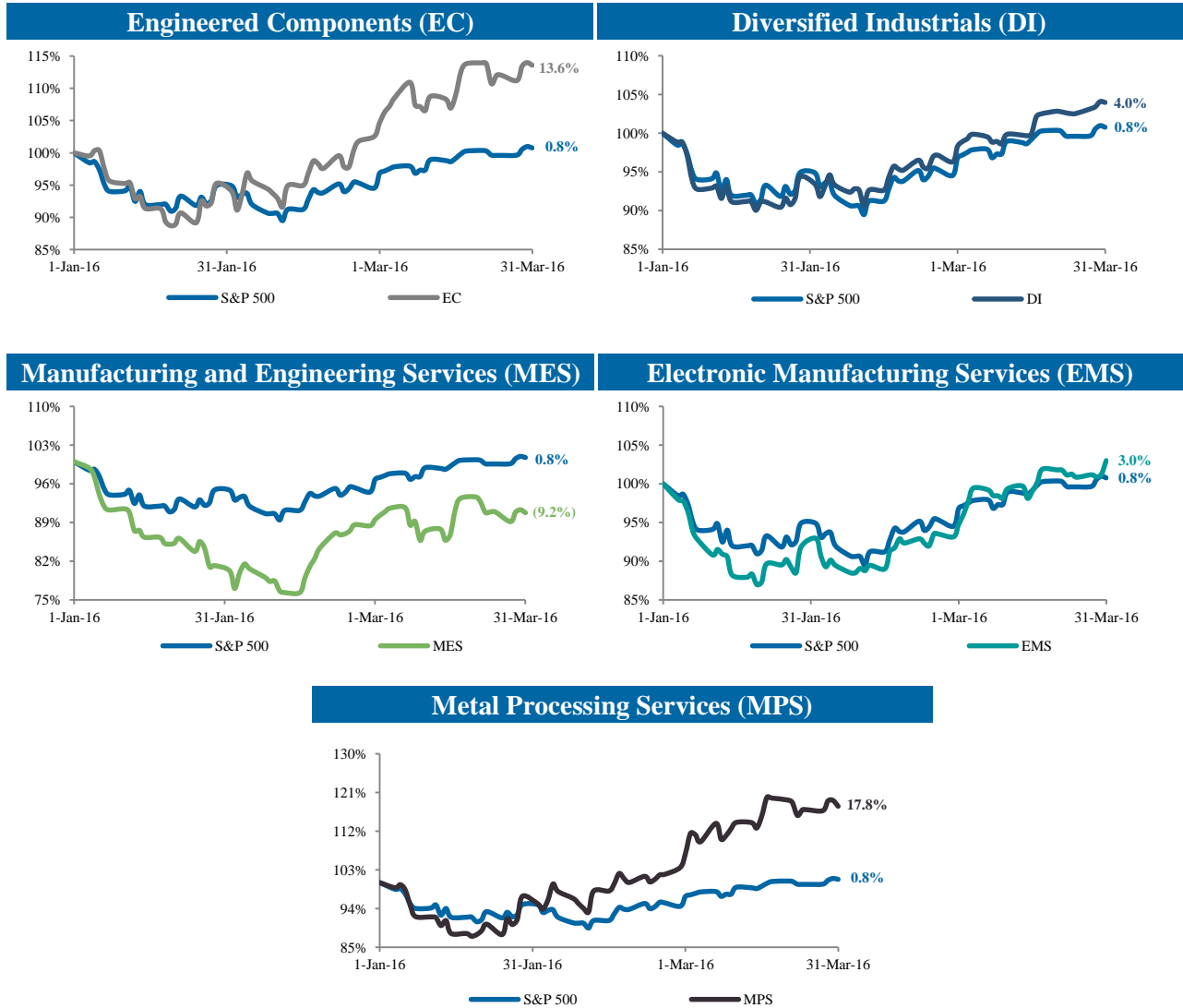
Note: LTM = Last Twelve Months.

Note: EV = Enterprise Value (Equity Value + Debt + Minority Interest – Cash and Cash Equivalents).

Note: (1) Multiples excludes outlier for EV / LTM Revenue > 20x and EV / LTM EBITDA > 40x



## Appendix – Specialty Manufacturing Public Equity Market Performance



Source: S&P Capital IQ.



## Appendix – Specialty Manufacturing Public Company Groups

Manufacturing & Engineering Services	
Company Name	Ticker
Barnes Group	B
Ducommun	DCO
LMI Aerospace	LMIA
Raven Industries	RAVN
TechPrecision	TPCS
Triumph Group	TGI

Electronic Manufacturing Services	
Company Name	Ticker
Benchmark Electronics	BHE
Celestica	CLS
Flextronics International	FLEX
Foxconn Int. Holdings	2038
Hon Hai Precision Industry	2317
Jabil Circuit	JBL
Sanmina	SANM
TE Connectivity	TEL

Metal Processing Services	
Company Name	Ticker
Carpenter Technology	CRS
Kennametal	KMT
Reliance Steel & Aluminum	RS
Worthington Industries	WOR

Diversified Industrials	
Company Name	Ticker
Danaher	DHR
Dover	DOV
General Electric	GE
Honeywell International	HON
Illinois Tool Works	ITW
Parker-Hannifin	PH
Textron	TXT
Tyco International	TYC
United Technologies	UTX

Engineered Components	
Company Name	Ticker
Allegheny Technologies	ATI
Bradken	BKN
Crane	CR
Curtiss-Wright	CW
EnPro Industries	NPO
Heroux-Devtek	HRX
Kaman	KAMN
Milacron Holdings	MCRN
Park-Ohio Holdings	PKOH
Quanex Building Products	NX
Standex International	SXI
Timken	TKR
TriMas	TRS



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