Entegris

Investor Update

July 11, 2018

Safe Harbor

This presentation contains, and management may make, forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. The words “believe,” “expect,” “anticipate,” “intends,” “estimate,” “forecast,” “project,” “should,” “may,” “will,” “would” or the negative thereof and similar expressions are intended to identify such forward-looking statements. These forward-looking statements include statements related to future period guidance; projected sales, net income, net income per diluted share, non-GAAP EPS, non-GAAP net income, expenses and other financial metrics; our performance relative to our markets; market and technology trends, including the duration and drivers of any growth trends; the development of new products and the success of their introductions; the focus of our engineering, research and development projects; our business strategies; our capital allocation strategy, which may be modified at any time for any reason, including share repurchases, dividends, debt repayments and potential acquisitions; the effect of the Tax Cuts and Jobs Act on our capital allocation strategy; the Company’s expected tax rate; the impact of the acquisitions we have made and commercial partnerships we have established; and other matters. These statements involve risks and uncertainties, and actual results may differ. These risks and uncertainties include, but are not limited to, weakening of global and/or regional economic conditions, generally or specifically in the semiconductor industry, which could decrease the demand for our products and solutions; our ability to meet rapid demand shifts; our ability to continue technological innovation and introduce new products to meet our customers' rapidly changing requirements; our ability to execute on our strategies; our concentrated customer base; our ability to identify, effect and integrate acquisitions, joint ventures or other transactions; our ability to protect and enforce intellectual property rights; operational, political and legal risks of our international operations; our dependence on sole source and limited source suppliers; the increasing complexity of certain manufacturing processes; raw material shortages and price increases; changes in government regulations of the countries in which we operate; fluctuation of currency exchange rates; fluctuations in the market price of Entegris’ stock; the level of, and obligations associated with, our indebtedness; and other risk factors and additional information described in our filings with the Securities and Exchange Commission, including under the heading “Risks Factors" in Item 1A of our Annual Report on Form 10-K for the fiscal year ended December 31, 2017, filed on February 15, 2018, and in our other periodic filings. The Company assumes no obligation to update any forward-looking statements or information, which speak as of their respective dates.

This presentation contains references to “Adjusted EBITDA,” “Adjusted EBITDA Margin,” “Adjusted Operating Income,” “Adjusted Operating Income Margin” and “Non-GAAP Earnings per Share” that are not presented in accordance GAAP. The non-GAAP financial measures should not be considered in isolation or as a substitute for GAAP financial measures but should instead be read in conjunction with the GAAP financial measures. Further information with respect to and reconciliations of such measures to the most directly comparable GAAP financial measure can be found attached to this presentation.

Today's Speakers

Bertrand Loy
President and CEO

Greg Graves
Executive Vice President and CFO

Clint Haris
Senior VP and General Manager
Microcontamination Control

Entegris…outperforming the market.

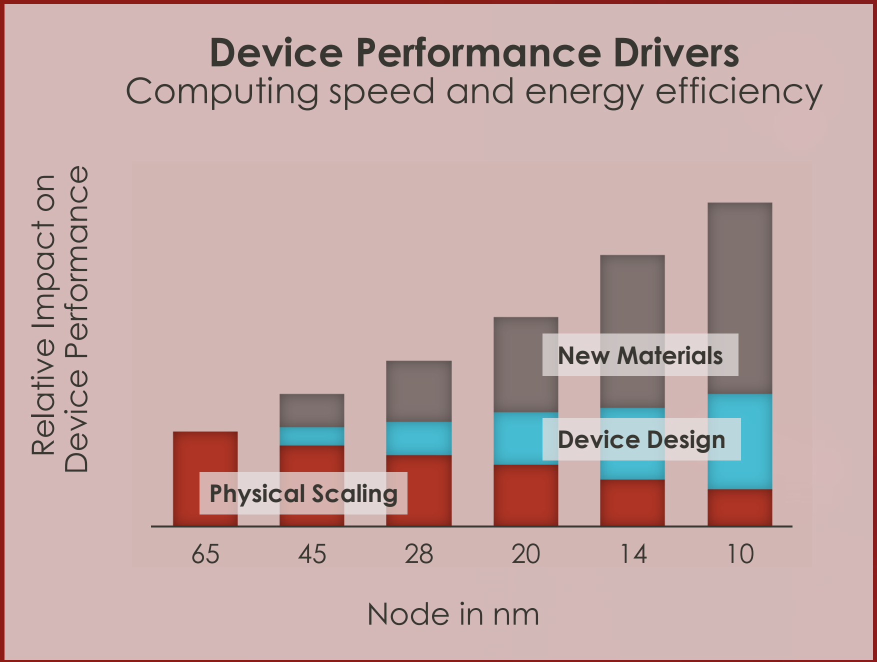
Diverse customer base | "Sticky" solutions | Recurring revenue with long tails

Broad product offering | Agnostic to specific technology shifts

Secular market growth + market expansion + share gains

5-8% CAGR over the next three years

Chip innovation has moved beyond physical scaling.



Source: Entegris estimates

It's no longer about increasing speed just through smaller transistors…

…it's about finding new ways to build higher performing chips

Materials innovation is the key driver of this new approach

Greater materials intensity.

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Increased Process Complexity

Change from 20 nm to 7 nm logic technology results in a **2x increase** in processing steps

More Precision Materials

The number of **elements** from the Periodic Table used to make advanced semiconductors has **quadrupled** since the 1990's

Advanced chip architectures will drive increased process complexity and require more atomic scale precision materials

Why Purity Matters.

Device Performance

Device Energy Efficiency

Purity is Key

Wafer Yield

Device Reliability

A **1% yield improvement** can mean:

$150M/year net profit in leading edge logic[1]

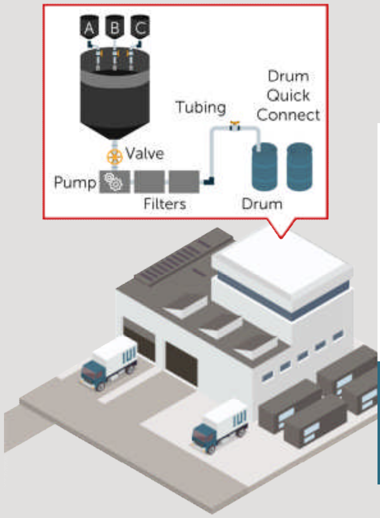
$110M/year net profit for 3D NAND fabs[2]

[1] Assumes 10 nm logic fab, 60K wafer starts per month
[2] Assumes 64 layer 3D NAND fab, 60K wafer starts per month

Clean Chemical Delivery

End-to-end solutions for improved yield, reliability, and performance

1 CHEMICAL MANUFACTURER

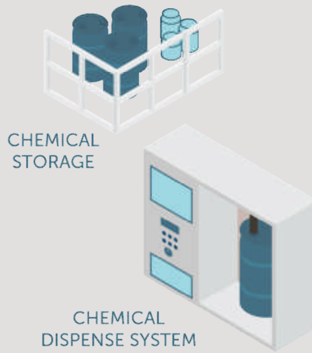


PARTICLE CONTAMINATION

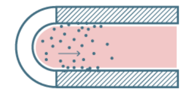
Clean chemical gets contaminated by dirty containers

Our solutions:
Valves, Fittings, Tubing, Quick Connects, and Chemical Packaging

2 SEMICONDUCTOR SUB-FAB



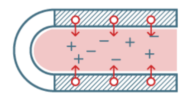
PARTICLE CONTAMINATION



Surface particles that have not been flushed from interior tubing surfaces will release into the chemical over time.

Our solutions:
High-purity Tubing, Fittings, Valves, and Filters

METALLIC CONTAMINATION



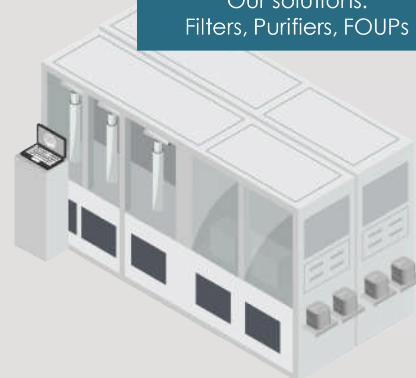
As chemical sits in long tubing runs, metallic ions can leach into the chemicals

Our solutions:
Ultraclean PFA Tubing, Fittings, and Valves

3 FAB FLOOR

Contaminants at the point of use are detrimental to wafer yield

Our solutions:
Filters, Purifiers, FOUPs



More filtration points and greater frequency of filter changeout
Higher-purity chemical packaging and fluid management systems
Microenvironmental wafer protection from bare to finished wafer

Increased SAM

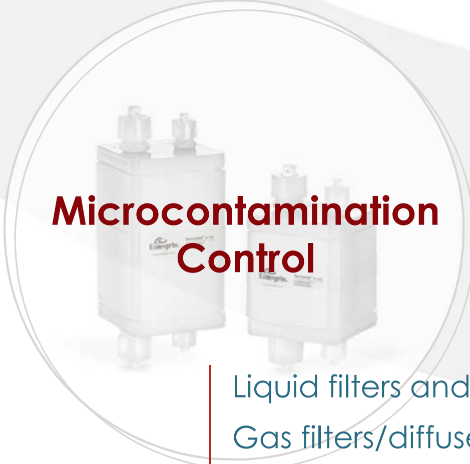
Entegris offers the **broadest solutions portfolio.**

Entegris

Uniquely positioned to address precision, purity, integrity, and safety challenges

Specialty Chemicals & Engineered Materials

- SDS/VAC delivered gases
- Post Etch/CMP cleans
- Plating and CMP components
- Advanced deposition materials
- Graphite and SiC
- Specialty coatings



Microcontamination Control

- Liquid filters and purifiers
- Gas filters/diffusers/purifiers
- Airborne molecular contamination control

Advanced Materials Handling

- Microenvironments
- Fluid handling
- Sensing and control
- Liquid packaging

Leading to shorter development times and unique co-optimized systems and solutions

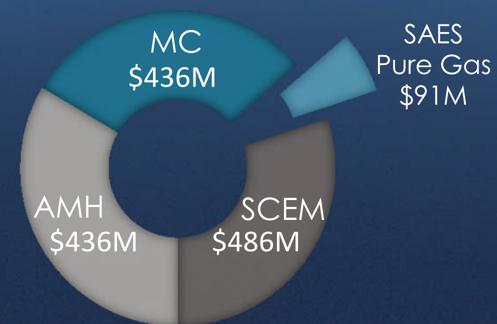
SAES Pure Gas

A highly accretive transaction.

Transaction Value	$355 million[1] Approx. 9x EBITDA multiple, pro forma for synergies[2]
Synergies and EPS Impact	Expected to add $0.08 to $0.10 to non-GAAP EPS in 2018, $0.17 to $0.20 in 2019 $5 million in cost synergies by end of 2019
Financing	Cash on hand
Closed	June 25, 2018

[1]Excludes approximately $5 million in transaction costs.
[2]Purchase price multiple based on 2017 EBITDA of $33 million, as reported by SAES Getters S.p.A., and $5 million of expected annualized cost synergies.
[3]Fiscal 2017 pro forma sales equals $1,343 million as reported by Entegris plus $91 million of SAES Pure Gas sales as reported by SAES Getters S.p.A. parent plus $15 million of PSS sales (AMH).

Entegris FY2017
Pro forma Sales by Segment
$1,449 million[3]



Microcontamination Control

Growing value of our materials purity solutions

2017 sales growth: 20%

2017 adjusted operating margin[1]: 33%

SAM: Approximately $1.7B

Three-year outlook including SAES Pure Gas:

- Sales growth: 200-400 bps above market
- Adjusted operating margin[1]: 34%-36%

Portfolio

- Liquid Filters
- Liquid Purifiers
- Gas Filters
- Gas Purifiers POU
- Gas Purifiers Bulk

SAES Pure Gas

[1]Non-GAAP adjusted measure

SAES Pure Gas at a glance.

Established provider of high-throughput gas purification systems

Unit of Italy-based company

2017[1] sales of approx. $91 million; EBITDA of approx. $33 million

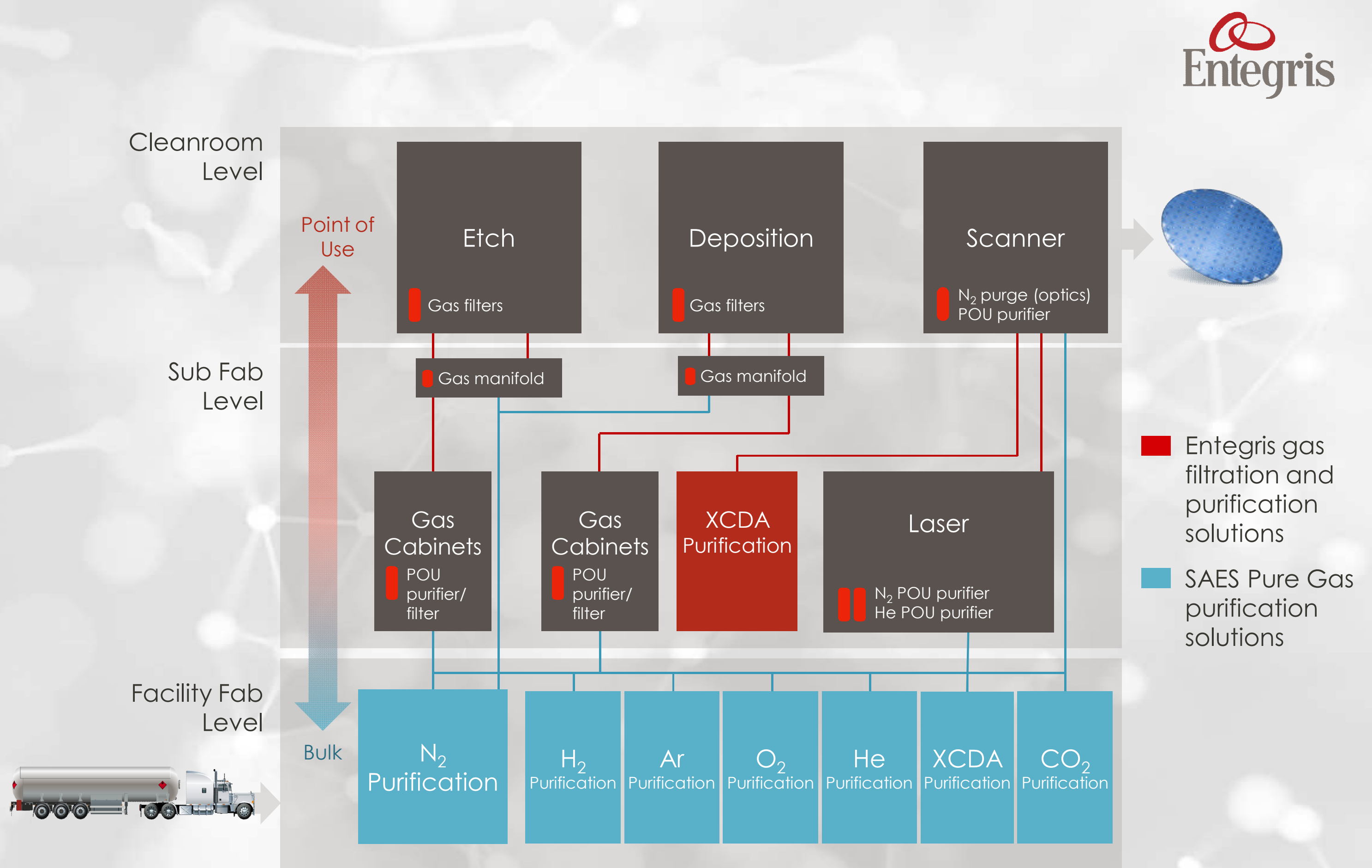
Outpaced industry capex by more than 500 bps over past 5 years

Operation is based in San Luis Obispo, California

Serving traditional semiconductor, lithography, LED, and display applications

[1]Based on 2017 sales of 81 million Euros and EBITDA of 29 million Euros as reported by SAES Getters S.p.A.
F/X translation to dollars based on company estimates.

End-to-end solutions.



With SAES Pure Gas, Entegris can offer a full suite of gas filtration and purification solutions – from bulk to point of use

Creating value via strategic acquisitions.

Expanding our markets in semiconductors and near adjacencies with engineered materials, separation technology, sensing and control, and advanced packaging

TECHNOLOGY	MARKETS	FINANCIAL DISCIPLINE
Engineered materials	Core semi	Minimum accretion target – year 2
Separation technology	Adjacent markets	Minimum ROIC target – year 3
Sensing and control		Growth enabling
Advanced packaging		

Seeking established, growing, profitable businesses to leverage our global platform and technology

Creating value via strategic acquisitions.

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ATMI
Advanced materials and material delivery systems

$360M revenue
$810M purchase price[1]

APR 2014

APR 2017

$5-10M revenue
$20M purchase price

Trinzik product line
Water and chemical filtration

PSS
Particle sizing instrumentation for liquid applications

$15M revenue
$37M purchase price

JAN 2018

JUNE 2018

$91M revenue
$355M purchase price

SAES Pure Gas
Bulk gas purification

[1]Net of cash acquired

Profit growth path.

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Illustrative model

Organic growth and operating leverage lead to ~$2.35 per share by 2020

	2017 Non-GAAP As Reported	SAES Pure Gas and PSS	Pro Forma 2017		Year Three Illustrative Model
Revenue	$1,343	$106	$1,449	7% top-line growth	~$1,775
Operating income (EBITA)	$299	$35	$334		~$445 - $460
Operating margin	22.3%	33%	23.0%		25% - 26%
Interest expense	($32)		($32)		~($29)
Operating EPS[1]	$1.44	$0.18	$1.62	200-300 bps increase	~$2.30 - $2.40
EBITDA margin[2]	26.6%		27.1%		29% - 30%

[1] EPS assumes no other income/expense, Term Loan pay off, 21% combined tax rate and 143 million shares outstanding
[2] EBITDA margin assumes $78 million of depreciation expense

Balanced capital allocation driving EPS[1] higher.

Pro forma projected accretion impact of capital allocation options

Year Three Operating EPS	Retain Cash; Build Liquidity	Buyback Shares	M&A	Levered M&A	Potential Total EPS
$2.35+[1]	$0.00[1]				~$2.55 - $3.35
		~$0.20[2]			
			~$0.25[3]		
				~$1.00[4]	

Balancing priorities to boost shareholder value

[1] Represents scenario for 2018 and beyond which follows target model to continue pay down term loan/retain cash/build liquidity
[2] Represents scenario where excess cash above $150M is used to repurchase shares beginning in 2018
[3] Represents scenario where excess cash above $150M is used for small to mid-size acquisitions at 12x EBITDA over the next 3 years
[4] Represents scenario where excess cash above $150M and leverage of 3.5x EBITDA is used for acquisitions over the next three years

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Entegris' organic growth and effective capital allocations will **maximize earnings power.**

~$3.00 per share[1] by 2020.

Entegris' unique value proposition will drive future growth and financial success.

[1]Non-GAAP; reflects three-year illustrative model outlined on pages 16-17 of this presentation


Thank you!
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Q&A

Appendix

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Adjusted Operating Income and Adjusted EBITDA

The reconciliation of GAAP measures to Adjusted Operating Income and Adjusted EBITDA for the years ended December 31, 2017, 2016, 2015, 2014, and 2013 are presented below:

(Dollars in thousands)	2013	2014	2015	2016	2017
Net sales	$ 693,459	$ 962,069	$ 1,081,121	$ 1,175,270	$ 1,342,532
Net income	74,526	7,887	80,296	97,147	85,066
Adjustments to net income					
Equity in net loss of affiliate	-	293	1,687	-	-
Income tax expense (benefit)	21,669	(21,572)	10,202	22,852	99,665
Interest expense	153	33,355	38,667	36,846	32,343
Interest income	(317)	(1,336)	(429)	(318)	(715)
Other (income) expense, net	(1,794)	2,727	(12,355)	(991)	25,458
GAAP – Operating income	94,237	21,354	118,068	155,536	241,817
Charge for fair value write-up of acquired inventory sold	-	48,586	-	-	-
Transaction-related costs	-	26,776	-	-	-
Deal costs	973	9,125	-	-	-
Integration costs	-	19,652	12,667	-	-
Contingent consideration fair value adjustment	(1,813)	(1,282)	-	-	-
Severance related to organizational realignment	-	-	-	2,405	2,700
Impairment of equipment and intangibles [1]	-	-	-	5,826	10,400
Amortization of intangible assets	9,347	37,067	47,349	44,263	44,023
Adjusted operating income	102,744	161,278	178,084	208,030	298,940
Depreciation	29,468	46,637	54,305	55,623	58,208
Adjusted EBITDA	$ 132,212	$ 207,915	$ 232,389	$ 263,653	$ 357,148
Adjusted operating margin	14.8%	16.8%	16.5%	17.7%	22.3%
Adjusted EBITDA – as a % of net sales	19.1%	21.6%	21.5%	22.4%	26.6%

[1] Includes product line impairment charges of $5,330 and $5,826 classified as cost of sales for the years ended December 31, 2017 and 2016, respectively
Includes intangible impairment charge of $3,866 classified as selling, general, and administrative expense for the year ended December 31, 2017
Includes product line impairment charge of $320 classified as selling, general, and administrative expense for the year ended December 31, 2017
Includes product line impairment charge of $884 classified as engineering, research, and development expense for the year ended December 31, 2017

Non-GAAP EPS

The reconciliation of GAAP measures to Non-GAAP Earnings per Share for the years ended December 31, 2017, 2016, 2015, 2014, and 2013 are presented below:

(Dollars in thousands)	2013	2014	2015	2016	2017
Net income	$ 74,526	$ 7,887	$ 80,296	$ 97,147	$ 85,066
Adjustments to net income:					
Charge for fair value write-up of acquired inventory sold	-	48,586	-	-	-
Transaction-related costs	-	26,776	-	-	-
Deal costs	973	13,288	-	-	-
Integration costs	-	19,510	12,667	-	-
Contingent consideration fair value adjustment	(1,813)	(1,282)	-	-	-
Reclassification of cumulative translation adjustments associated with liquidated subsidiaries	787	-	-	-	-
Severance	-	-	-	2,405	2,700
Impairment of equipment and intangibles[1]	-	-	-	5,826	13,200
Loss on debt extinguishment	-	-	-	-	20,687
Net gain (loss) on impairment/sale of short-term investment or equity investment	-	1,710	(1,449)	(156)	-
Amortization of intangible assets	9,347	37,067	47,349	44,263	44,023
Tax effect of adjustments to net income and discrete tax items [2]	(3,044)	(56,819)	(18,248)	(16,637)	(26,046)
Tax effect of Tax Cuts and Jobs Act	-	-	-	-	66,713
Non-GAAP net income	$ 80,776	$ 96,723	$ 120,615	$ 132,848	$ 206,343
Diluted earnings per common share	$ 0.53	$ 0.06	$ 0.57	$ 0.68	$ 0.59
Effect of adjustments to net income	$ 0.04	$ 0.63	$ 0.29	$ 0.25	$ 0.85
Diluted non-GAAP earnings per common share	$ 0.58	$ 0.69	$ 0.85	$ 0.94	$ 1.44

[1]Includes product line impairment charges of $5,330 and $5,826 classified as cost of sales for the years ended December 31, 2017 and 2016, respectively
Includes intangible impairment charge of $3,866 classified as selling, general, and administrative expense for the year ended December 31, 2017
Includes product line impairment charge of $320 classified as selling, general, and administrative expense for the year ended December 31, 2017
Includes product line impairment charge of $884 classified as engineering, research, and development expense for the year ended December 31, 2017
Includes product line impairment charge of $2,800 classified as other expense for the year ended December 31, 2017

[2]The tax effect of the non-GAAP adjustments was calculated using the applicable marginal tax rate during the respective years

GAAP Segment Trend

$ in thousands	Q116	Q216	Q316	Q416	FY16	Q117	Q217	Q317	Q417	FY17
Sales										
SCEM	$ 101,107	$ 111,782	$ 104,494	$ 110,945	$ 428,328	$ 114,435	$ 121,174	$ 124,522	$ 125,339	$ 485,470
MC	77,619	91,584	94,738	98,717	362,658	100,055	104,407	116,113	115,650	436,225
AMH	88,298	99,686	97,460	98,840	384,284	102,887	103,421	104,956	109,573	420,837
Total Sales	$ 267,024	$ 303,052	$ 296,692	$ 308,502	$ 1,175,270	$ 317,377	$ 329,002	$ 345,591	$ 350,562	$ 1,342,532
Segment Profit										
SCEM	$ 17,818	$ 24,205	$ 14,244	$ 21,061	$ 77,328	$ 23,128	$ 29,060	$ 29,539	$ 30,075	$ 111,802
MC	14,181	24,511	27,684	27,535	93,911	30,987	31,796	39,302	39,328	141,413
AMH	14,697	18,203	11,192	12,190	56,282	13,960	15,169	12,483	18,226	59,838
Total Segment Profit	$ 46,696	$ 66,919	$ 53,120	$ 60,786	$ 227,521	$ 68,075	$ 76,025	$ 81,324	$ 87,629	$ 313,053
Segment Profit Margin										
SCEM	17.6%	21.7%	13.6%	19.0%	18.1%	20.2%	24.0%	23.7%	24.0%	23.0%
MC	18.3%	26.8%	29.2%	27.9%	25.9%	31.0%	30.5%	33.8%	34.0%	32.4%
AMH	16.6%	18.3%	11.5%	12.3%	14.6%	13.6%	14.7%	11.9%	16.6%	14.2%

NON-GAAP Segment Trend

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$ in thousands	Q116	Q216	Q316	Q416	FY16	Q117	Q217	Q317	Q417	FY17
Sales										
SCEM	$ 101,107	$ 111,782	$ 104,494	$ 110,945	$ 428,328	$ 114,435	$ 121,174	$ 124,522	$ 125,339	$ 485,470
MC	77,619	91,584	94,738	98,717	362,658	100,055	104,407	116,113	115,650	436,225
AMH	88,298	99,686	97,460	98,840	384,284	102,887	103,421	104,956	109,573	420,837
Total Sales	$ 267,024	$ 303,052	$ 296,692	$ 308,502	$ 1,175,270	$ 317,377	$ 329,002	$ 345,591	$ 350,562	$ 1,342,532
Adjusted Segment Profit										
SCEM[1]	$ 17,818	$ 24,205	$ 14,943	$ 21,061	$ 78,027	$ 23,128	$ 29,060	$ 29,553	$ 30,075	$ 111,816
MC[2]	14,181	24,511	28,421	27,535	94,648	30,987	33,239	39,498	39,328	143,052
AMH[3]	14,697	18,203	17,987	12,190	63,077	13,960	17,455	17,704	18,226	67,345
Total Adj. Segment Profit	$ 46,696	$ 66,919	$ 61,351	$ 60,786	$ 235,752	$ 68,075	$ 79,754	$ 86,755	$ 87,629	$ 322,213
Adjusted Segment Profit Margin										
SCEM	17.6%	21.7%	14.3%	19.0%	18.2%	20.2%	24.0%	27.7%	24.0%	23.0%
MC	18.3%	26.8%	30.0%	27.9%	26.1%	31.0%	31.8%	34.0%	34.0%	32.8%
AMH	16.6%	18.3%	18.5%	12.3%	16.4%	13.6%	16.9%	16.9%	16.6%	16.0%

[1]Adjusted segment profit for SCEM for Q316 excludes charges for severance of $699K. Adjusted segment profit for SCEM for Q317 excludes charges for severance of $14K.

[2]Adjusted segment profit for MC for Q316 excludes charges for severance of $737K. Adjusted segment profit for MC for 2Q17 excludes charges for impairment of equipment and severance of $884K and $559K, respectively. Adjusted segment profit for MC for Q317 excludes charges for severance of $196K.

[3]Adjusted segment profit for AMH for Q316 excludes charges for impairment of equipment and severance related to organizational realignment of $5,826K and $969K, respectively. Adjusted segment profit for AMH for 2Q17 excludes charges for impairment of equipment of $2,286K. Adjusted segment profit for AMH for Q317 excludes charges for impairment of equipment and severance related to organizational realignment of $3,364K and $1,857K, respectively.