

EMS Stock Highlights

- Large Index has decreased 3.4% from last quarter
- Mid Index has decreased 2.7% from last quarter
- Small Index has increased 3.5% from last quarter
- Overall EMS Index has decreased 3.2% from last quarter

EMS Stock Index Underperforms S&P

About the EMS Stock Index

Similar to the S&P 500 Index, the EMS Stock Index is a market cap weighted composite index. The index is prepared by first selecting a base period, in this case, Q1 2003, and totaling the market caps of the companies for each tier in this period. This period and total market cap is set to a base index, in this case, 1,000. Next,

	Tier
0.9%	I
6.5%	П
25.6%	Ш
	Tier
(6.6%)	Tier I
(6.6%) (9.0%)	Tier I II
	6.5%

Note: Based on quarter-over-quarter share price performance

for each tier, the current period's total market cap is calculated, divided by the base period's total market cap and then multiplied by the base index (1,000). The result is the index value used for plotting in the graph on the next page.

EBITDA Margins	
Large Tier	5.3%
Mid Tier	5.8%
Small Tier	2.9%

YOY LTM Revenue Growth	
Large Tier	2.5%
Mid Tier	(1.1%)
Small Tier	(13.3%)

Source: Capital IQ as of 6/30/17

Note: Average for each sector, YOY stands for year-over-year

EMS Size Guide

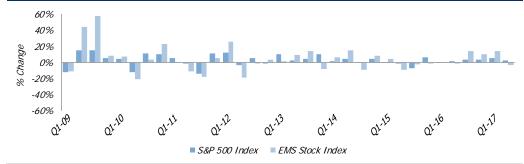
(Revenue Dollars)

Large (Tier I) Greater than \$3 billion Mid (Tier II) \$300 million to \$3 billion Small (Tier III)
Below \$300 million

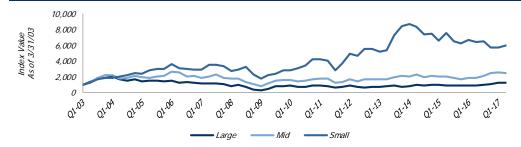
Note: Companies are included in a given tier by falling within the threshold for two consecutive quarters



S&P Index vs. EMS Stock Index Quarter Change

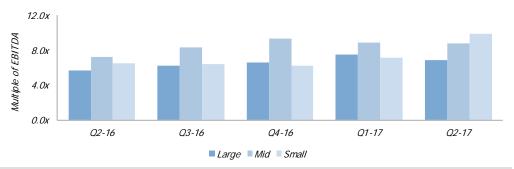


EMS Stock Index by Size



Note: See below for specific company classifications

Enterprise Value⁽¹⁾ / EBITDA



Enterprise Value is calculated as market cap on June 30, 2017 plus debt, preferred equity and minority interest less cash

Note: See below for specific company classifications

EMS Stock Index Data

	Avg. Cash						B. G			
	Stock Price	LTM Sales	Diluted EPS	Conversion Cycle (days)	Current Ratio	EV/ EBITDA	EV/ Sales	Market Cap (\$ in mm)	Net Debt (\$ in mm)	
Large		(,		(==)=)				(+	(+	
Celestica	\$13.56	\$6,133	\$0.93	45.5	1.95	6.0x	0.3x	\$1,928	(\$331)	
Flex	16.31	23,863	0.59	24.6	1.29	8.0x	0.4x	8,643	1,121	
Jabil	29.19	18,471	0.65	9.2	0.96	5.3x	0.4x	5,232	1,440	
Sanmina	38.10	6,738	2.66	44.4	1.74	8.2x	0.4x	2,878	(35)	
Mid										
Benchmark	\$32.30	\$2,328	\$1.26	82.7	3.60	8.0x	0.5x	\$1,607	(\$532)	
KeyTronicEMS	7.09	473	0.58	86.6	2.30	6.8x	0.3x	76	44	
Kimball Electronics	18.05	910	1.13	58.3	2.00	7.3x	0.5x	490	(34)	
Plexus	52.57	2,560	2.98	79.3	2.31	8.6x	0.6x	1,772	(246)	
Sparton	21.99	400	(4.33)	88.8	2.22	13.3x	0.8x	216	87	
Small										
IEC Electronics	\$3.60	\$103	\$0.03	87.5	1.88	12.8x	0.5x	\$37	\$20	
Nortech Systems	3.58	116	0.01	80.3	1.94	10.7x	0.2x	10	13	
SigmaTron International	6.43	247	0.04	79.7	2.08	7.9x	0.2x	27	28	
SMTC	1.29	159	(0.10)	57.5	1.58	8.3x	0.2x	22	11	

Source: Capital IQ as of June 30, 2017; stock price adjusted for dividends and splits



Global Industry Groups

Aerospace & Defense

Automotive & Truck

Building & Infrastructure

Business Services

Chemicals

Consumer

Distribution

Electronics

Energy & Power

Financial Institutions

Food & Beverage

Healthcare

Industrials

Packaging

Technology & Media

Global Locations

Amsterdam

Beijing

Chicago

Dallas

Frankfurt

London

Los Angeles

Madrid

Milan

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