

Investor Presentation

August 15, 2017



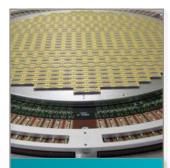
Forward-Looking Statements; Non-GAAP Financial Measures

This presentation contains forward-looking statements that are based on our current expectations, forecasts and assumptions, and that involve risks and uncertainties. These statements include, but are not limited to, statements regarding our future performance (such as our projected operating results, financial results, financial condition and targets), business strategy and plans, and anticipated developments in our business and industry. Forward-looking statements may contain words such as "target," "might," "will," "could," "should," "expect," "plan," "anticipate," "believe," "estimate," "intend," and "continue," and the negative or plural of these words, and similar expressions. Our actual results may differ materially from those described in this presentation and related discussions for a variety of reasons. Factors that could cause or contribute to such differences include, but are not limited to: macro-economic conditions; business cycles; changes in the competitive environment; changes in the technologies or test strategies used by customers and other factors affecting the demand for our products; challenges to the efficient development and manufacturing of our existing and new products: disruptions or price increases in our supply chain; risks associated with selling products internationally; and risks to our ability to further diversify or realize benefits from past or future acquisitions. More information about factors that could affect our operating results is included under the caption "Risk Factors" and elsewhere in our annual report on Form 10-K and quarterly reports on Form 10-Q with the U.S. Securities and Exchange Commission, copies of which may be obtained by visiting the Investor Relations section of our website at http://investors.formfactor.com or the SEC's website at www.sec.gov. All information in this presentation and the related discussions are as of June 28, 2017. Undue reliance should not be placed on these forward-looking statements, which are based on information available to us on the date hereof. No assurances are, or can be, given that any of the circumstances or events anticipated by the forward-looking statements will transpire or occur, or if any of them do occur, what impact they will have on our results of operations or financial condition. Unless required by law, we are under no obligation, and disclaim any obligation, to update or revise forward-looking statements whether as a result of new information, future events, or otherwise.

This presentation and related discussions contain non-GAAP measures relating to our financial performance. These measures may be different from non-GAAP financial measures used by other companies. The presentation of this financial information is not intended to be considered in isolation of, or as a substitute for, financial information prepared and presented in accordance with generally accepted accounting principles. You can find the reconciliation of non-GAAP financial measures to the most directly comparable U.S. GAAP measures in the Supplemental Information at the end of this presentation.



Investment Themes



Largest supplier of semiconductor probe cards and engineering systems from R&D to production - serving a \$1.3 billion growing market



Aligned with technology trends in data centers, mobile, and automotive end markets



Technology leadership enables customers' most critical roadmap advancements



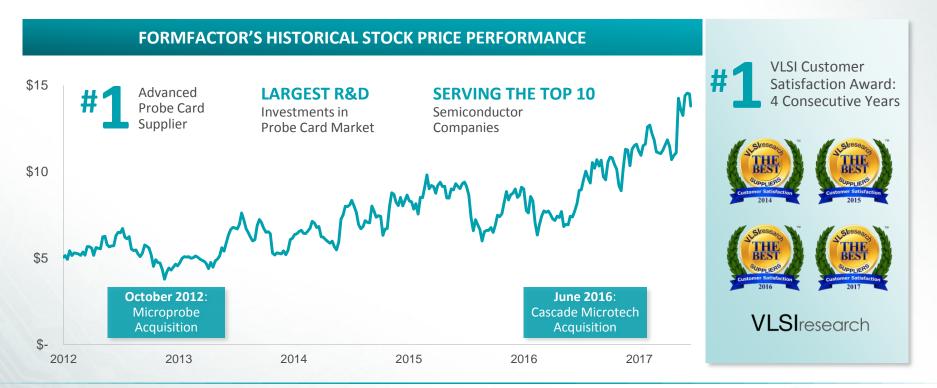
Structurally profitable financial model delivering earnings growth and strong cash flow



Successful acquisition strategy has provided scale & diversification



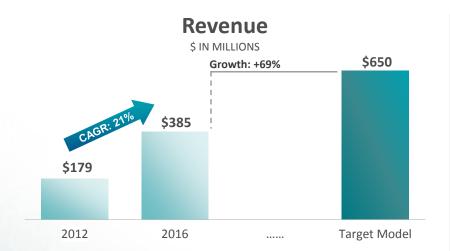
Proven Track Record

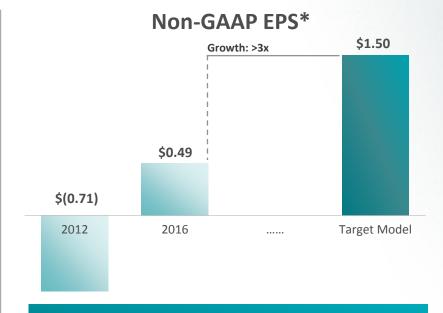


^{*} Source: VLSI Research 2016 Probe Card Report



Delivering Strong Financial Results





Growing and diversifying revenue

Expanding earnings per share



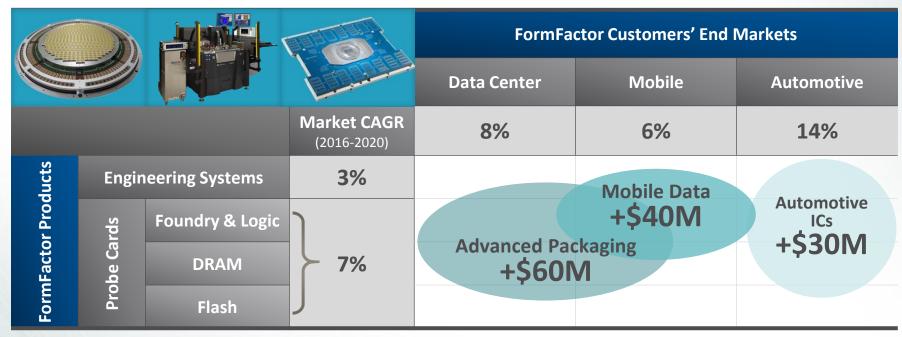
Aligned with High Growth Semiconductor Technology Trends







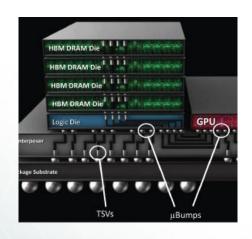
Selected Line of Sight Growth Opportunities



Total Cumulative Opportunity = +\$130M



Advanced Packaging: Higher Wafer Test Intensity Requires More High-Performance Probe Cards



THE MARKET OPPORTUNITY

- Heterogeneous die integration (2.5D/3D, InFO, etc.) taking over from Moore's law
- Fanout adoption at 87% CAGR 2015-2020*
- >20% test-time increase moving to 10nm fanout wafer-level packaging flow**

THE CUSTOMER NEED

- Pitch moves to <100μm with exploding density
- High-fidelity electrical performance for known-good-die (KGD) test
- KGD required for cost: a 4-die assembly of 90%-vielding die has <66% net vield***



- Proprietary MEMS probe & assembly technology gives best performance and cost
- Demonstrated adoption at all 10nm Foundry & Logic customers/fabs



^{*} Advanced Packaging Trends, TechSearch Int'l 2016

^{**} Teradyne Q1'17 Earnings Call, May 2017

^{***} Quality/Reliability Requirements for Bare Die, Micron TN0014

Mobile Data: Explosion of Data Traffic Packed into Narrow Spectrum Drives RF Semi Content and Technology



THE MARKET OPPORTUNITY

- Mobile data traffic growing 7x 2016-2021* over increasingly crowded spectrum
- RF filter and front-end IC at 14% CAGR 2016-2022**
- 5G adoption and infrastructure buildout provides significant long-term RF growth

THE CUSTOMER NEED

- Uncompromised RF fidelity to ensure high test yields for ultra narrow-band devices
- Scale and breadth to keep pace with dynamic capacity and design cycles



- Best-in-class RF performance from engineering through high-volume production
- Integration of RF and digital test technologies to mirror customers' roadmaps



^{*} Cisco VNI Forecast, February 2017

^{**} RF FE modules and components for cellphones, Yole 2017

Automotive ICs: Rapidly-Growing Semiconductor End Market with Stringent Quality and Test Requirements



2015 ASSIST Sensor

Driver Active

Fail Safe

2020 AUTOMATE Sensor Fusion

Co-pilot

Dependable

2030

High Accuracy Maps

AUTONOMOUS • Driverless

Safety Cocoon

THE MARKET OPPORTUNITY

- ICs & sensors improve both performance & safety on the path to autonomous vehicles
- Highest major end market growth in semiconductors at 14% CAGR 2016-2020*
- Proliferation and integration of digital ICs, RF (mmWave radar) and MEMS sensors

THE CUSTOMER NEED

- Required defect levels is at least 10x more stringent than mobile and consumer applications**
- Extreme test conditions—high power/ current, high + low temperatures, etc.
- Supplier scale and sustainability important



- Best-in-class electrical performance over broad range of test conditions
- Long history as key supplier to top companies in automotive supply chain

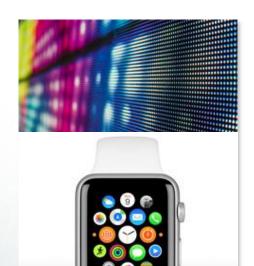




^{*} IC Market Drivers 2017 Update, IC Insights

^{**} Spotlight on Automotive, PwC Semiconductor Report 2013

MicroLED Testing: An Emerging Example of Our Next-Generation Opportunities



THE MARKET OPPORTUNITY

- Projected growth to 330 million display units in 2025 from near-zero today*
- GaN technology offers improved brightness and energy efficiency over OLED in smallformat displays

THE CUSTOMER NEED

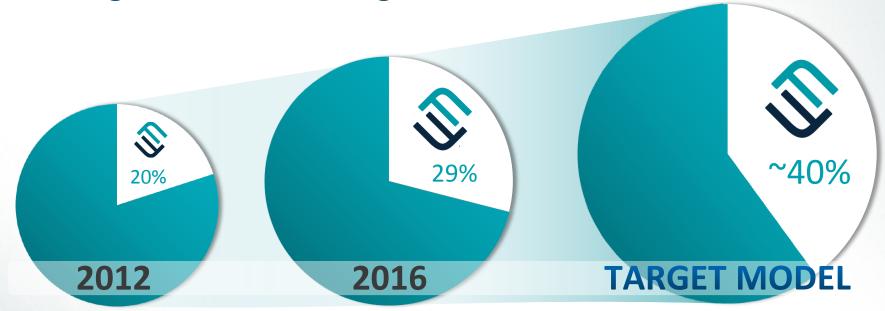
- System-level integration of electro-optics, substrate-handling, and electrical tests
- Customization and flexibility to meet rapidly-changing requirements
- Scale to support production ramps



- Engagement in engineering through high-volume production
- Application expertise in material handling/positioning, electronics, and optics



Gaining Share in Growing Markets



\$0.9B

SERVED AVAILABLE MARKET ADVANCED PROBE CARDS

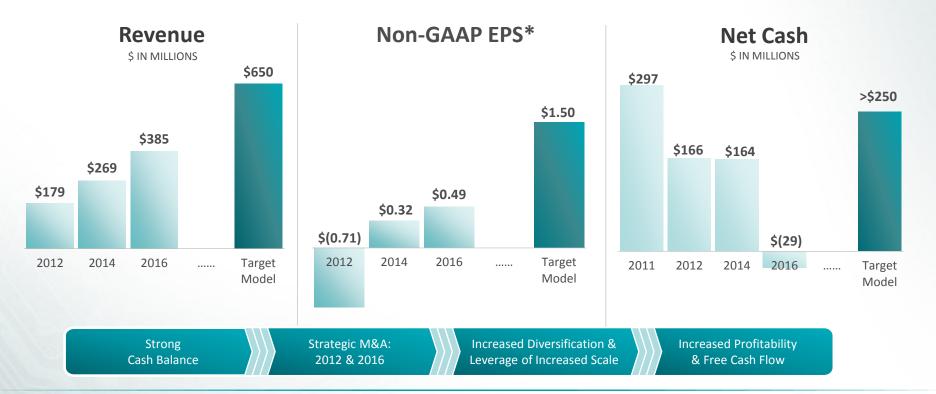
\$1.3B

SERVED AVAILABLE MARKET ADVANCED PROBE CARDS & ENGINEERING SYSTEMS \$1.7B

SERVED AVAILABLE MARKET ADVANCED PROBE CARDS & ENGINEERING SYSTEMS

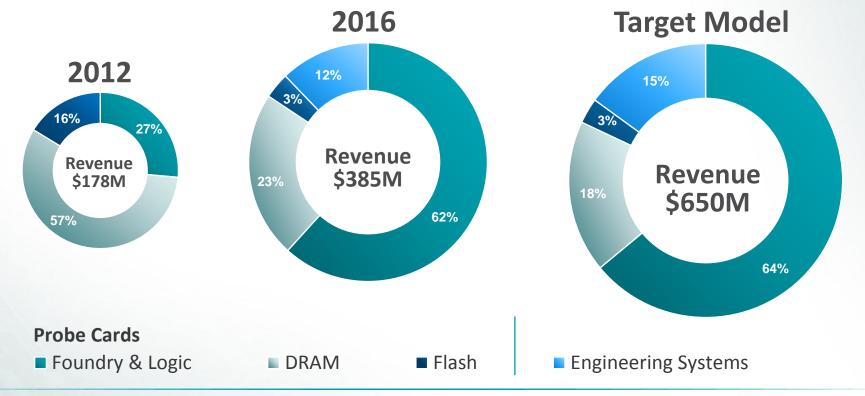


Driving Profitability through Strategic Use of Balance Sheet



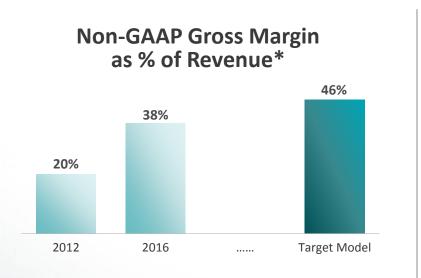


Diversification Improves Mix and Drives Profitability

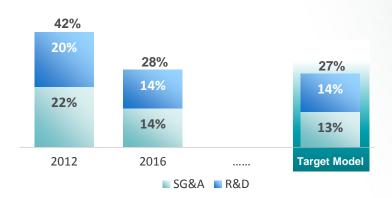




Continuing to Leverage Our Operating Structure



Non-GAAP Operating Expense as % of Revenue*



- Leverage factory utilization and product mix to drive gross margin expansion
- Capitalize on scale to leverage our operating expense infrastructure
- Continue significant R&D investment to execute on organic growth opportunities



Target Model Represents Significant Increase in Profitability and Free Cash Flow

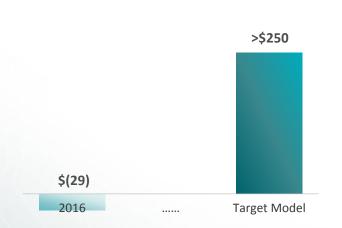
	2016 Actuals	Target Model
Revenue	\$385M	\$650M*
Non-GAAP Gross Margin	38%	46%
Non-GAAP Operating Income	10%	19%
Non-GAAP Effective Tax Rate	6.7%	6.0%
Non-GAAP Diluted Earnings Per Share	\$0.49	\$1.50
Free Cash Flow	\$24M	\$110M



Strategic Capital Allocation: Strengthen Balance Sheet & Drive Future Growth



\$ IN MILLIONS



Capital Allocation	Purpose
De-levering	Strengthen balance sheetNet cash positive by Q2 2017
Growth through acquisitions	 Greater scale Increased diversification Revenue & EPS growth



Q2'17 Earnings Call Highlights

- Achieved a strong second quarter, setting a revenue record for the second consecutive quarter and delivering non-GAAP EPS well above our Q2 guidance
- Non-GAAP gross margin approached 48% driven by favorable product mix, factory utilization and excellent factory execution
- Experiencing robust, broad-based demand for both probe cards and engineering systems across all end markets (data center, mobile and automotive)
- Even with our 1H'17 revenues significantly above what was previously expected, we now anticipate revenues for the 2H'17 to approximate 1H'17 levels
- We expect fiscal 2017 to be GAAP profitable
- Our Q2 execution paints a clear path to achieving our target financial model we communicated on June 28th



Consolidated P&L Results (Non-GAAP)

Revenue and Gross Margin

Non-GAAP EPS



Trailing 12-month Results: \$520M Revenue, \$1.06 Non-GAAP EPS, \$68M Free Cash Flow



Recent Results and Outlook

	Revenue (\$M)	Gross Margin (%) *	Diluted EPS*	Free Cash Flow (\$M)
Q2'17 ACTUAL	\$144.0M	47.6%	\$0.40	\$21.2M
Q3'17 GUIDANCE	\$136M-\$144M	43%-46%	\$0.29-\$0.35	

3rd quarter guidance themes:

Experiencing strong, broad based demand across all product lines in both of our segments Continuing to benefit from more broadly diversified set of products and customers



Strategic Focus Areas







Appendix



FY 2016 GAAP to Non-GAAP Reconciliation

in thousands	GA	AP	Adjustments										Non-GAAP							
	Twelve ended [Dec. 31,		k-based ensation	Restructu Impairr	•	Amortiza Intang			isition & egration	Re	ecovery	Loss Cont	ingency	Defer Rever		Valuati Allowar		ende	ve months ed Dec. 31, 2016
Revenues	\$	383,881	\$	-	\$	_	\$	-	\$	-	\$	_	\$	_	\$	903	\$	-	\$	384,784
Cost of revenues		281,199		(2,518)		-	. ((40,131)		22		-		-		-		-		238,572
Gross profit		102,682		2,518		-		40,131		(22)		-		-		903		-		146,212
Operating expenses:																				
Research and development		57,453		(3,329)		-		(7)		(7)		-		-		-		-		54,110
Sales and marketing		40,250		(1,997)		-		(5,389)		(200)		_		-		-		-		32,664
General and administrative		33,194		(2,878)		-		-		(7,274)		-		(781)		-		-		22,261
Restructuring and impairment charges, net		19,692		-	(:	19,692)		-		-		_		_		_		_		-
Total operating expenses		150,589		(8,204)		19,692)	-	(5,396)		(7,481)		-		(781)		-				109,035
Operating profit (loss)		(47,907)		10,722		19,692		45,527		7,459		-		781		903		-		37,177
Other income (expense), net		(2,288)		-		-		_		-		(545)		-		-		_		(2,833)
Profit (loss) before income taxes		(50,195)		10,722		19,692		45,527		7,459	-	(545)		781		903		_		34,344
(Benefit from) provision for income taxes		(43,638)		242		444		1,027		168		(12)		18		20	4	14,048		2,317
Net profit (loss)	\$	(6,557)	\$	10,480	\$	19,248	\$	44,500	\$	7,291	\$	(533)	\$	763	\$	883	\$ (4	4,048)	\$	32,027
Net profit (loss) per share:																				
Basic	Ś	(0.10)	Ś	0.16	Ś	0.30	\$	0.69	\$	0.11	\$	(0.01)	Ś	0.01	Ś	0.01	Ś	(0.68)	Ś	0.49
Dilute	\$	(0.10)	\$	0.16	\$	0.29	\$	0.67	\$	0.11	\$	(0.01)		0.01		0.01		(0.67)	\$	0.49
Weighted-average number of shares																				
Basic		64,941		64,941		64,941		64,941		64,941		64,941		64,941		64,941	6	64,941		64,941
Dilute		65,948		65,948		65,948		65,948		65,948		65,948		65,948		65,948		55,948		65,948



Free Cash Flow Reconciliation

in thousands	2011	2012	2013	2014	2015	2016
Net cash provided by (used in) operating activities:	\$ (29,343) \$	(26,228) \$	(5,802) \$	17,659 \$	36,122	\$ 17,423
Add: cash paid for interest	-	-	-	-	-	2,110
Add: cash paid for acquisition related expenses	-	-	-	-	-	15,446
Less: capital expenditures	(7,700)	(7,952)	(8,530)	(5,670)	(8,640)	(11,521)
Free cash flow	\$ (37,043) \$	(34,180) \$	(14,332) \$	11,989 \$	27,482	\$ 23,458



About Non-GAAP Financial Measures

We believe that the presentation of non-GAAP earnings per fully-diluted share, free cash flow and other non-GAAP measures in this presentation provides supplemental information that is important to understanding financial and business trends and other factors relating to our financial condition and results of operations. These non-GAAP measures are among the primary indicators used by management as a basis for planning and forecasting future periods, and by management and our board of directors to determine whether our operating performance has met certain targets and thresholds. Management uses non-GAAP operating income (loss), non-GAAP earnings per fully-diluted share and other non-GAAP measures when evaluating operating performance because it believes that the exclusion of the items indicated herein, for which the amounts or timing may vary significantly depending upon our activities and other factors, facilitates comparability of our operating performance from period to period. We use free cash flow to conduct and evaluate our business as an additional way of viewing our liquidity that, when viewed with our GAAP results, provides a more complete understanding of factors and trends affecting our cash flows. Many investors also prefer to track free cash flow, as opposed to only GAAP earnings. Free cash flow has limitations due to the fact that it does not represent the residual cash flow available for discretionary expenditures, and therefore it is important to view free cash flow as a complement to our entire consolidated statements of cash flows. We have chosen to provide non-GAAP information to investors so they can analyze our operating results closer to the way that management does, and use this information in their assessment of our business and the valuation of our company. We compute non-GAAP operating income (loss) and non-GAAP fully-diluted earnings per share by adjusting GAAP operating income (loss) and GAAP earnings per fully-diluted share to remove the impact of certain items and the tax effect of those adjustments. These and other non-GAAP measures are not in accordance with, or an alternative to, GAAP and may be materially different from other non-GAAP measures, including similarly titled non-GAAP measures used by other companies. The presentation of this additional information should not be considered in isolation from, as a substitute for, or superior to, operating income (loss) or earnings per fully-diluted share and other measures prepared in accordance with GAAP. Non-GAAP financial measures have limitations in that they do not reflect certain items that may have a material impact upon our reported financial results. We may expect to continue to incur expenses of a nature similar to these non-GAAP adjustments, and exclusion of these items should not be construed as an inference that these costs are unusual, infrequent or non-recurring.

For more information on non-GAAP measures and adjustments, please see the reconciliations of non-GAAP measures included in this presentation and available at http://investors.formfactor.com.

