

Investor Presentation

September 2020



Forward-Looking Statements; Non-GAAP Financial Measures

This presentation contains forward-looking statements within the meaning of the U.S. Securities Exchange Act of 1934 and the Securities Act of 1933. The forward-looking statements include statements concerning, among other things, our future business model and strategies, our financial model and structure, market and market share growth, industry trends, customer demand and growth opportunities. In some instances, you can identify these statements by forward-looking words, such as "may," "might," "will," "could," "should," "expect," "plan," "anticipate," "believe," "estimate," "predict," "intend" and "continue," the negative or plural of these words and other comparable terminology. The target financial model described in this presentation is intended to aid in the evaluation of long-term potential, and is not guidance or a statement of forecasted performance in a specific future period. The forward-looking statements are only predictions based on our current expectations and our projections about future events. All information and forward-looking statements included in this presentation and the related discussions are based upon information available to us as of September 1st, 2020. You should not place undue reliance on these forward-looking statements. These forward-looking statements are subject to known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to differ materially from those expressed or implied by these statements, including risks related to technology and market trends; the benefits of acquisitions and investments; macroeconomic conditions; uncertainties related to the COVID-19 pandemic and the impacts of our responses to it; the interpretation and impacts of changes in export controls and other trade barriers; our success in executing our business strategies and other risks discussed in the section titled "Risk Factors" and elsewhere in our Annual Report on Form 10-K for the year ended December 28, 2019 and in our other filings 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 at www.sec.gov.

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 contained in this presentation.



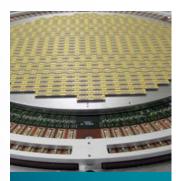
FormFactor At a Glance



*As of 6/27/20 ** Customers that have accounted for >10% of revenue for one or more quarters since Q1 FY18

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Compelling Investment Thesis



Market leader in large and growing semiconductor test and measurement sector



Benefits from powerful secular trends:

- Exponential growth in semiconductor content, increased 5G and data center spending
- Adoption of advanced packaging to counter slowdown in Moore's Law



Technology leadership enables customers' most critical roadmap advancements, from R&D through Production



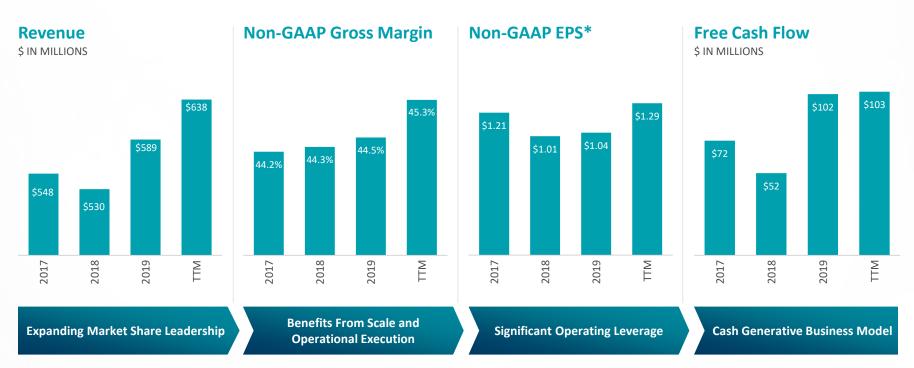
Profitable financial model with earnings growth and strong cash flow



Active execution of acquisition strategy increases scale and diversification



Proven Track Record



See Supplemental Information for reconciliations of non-GAAP financial measures to the most directly comparable GAAP financial measures. TTM results through 6/27/20.

*Reflects inclusion of deferred tax expenses in Non-GAAP EPS starting Q1'19. All references to EPS are on a diluted basis.

Sources: Historical information, company SEC filings and press releases.



Recognized Industry Leader



2014 • 2015 • 2016 2017 • 2018 • 2019 2020

Customers Rate FormFactor One of THE BEST Suppliers in the Semiconductor Industry

FormFactor Selected as a Top Supplier in Annual VLSIresearch Survey

May 13, 2020 16:30 ET | Source: FormFactor, Inc.

LIVERMORE, Calif., May 13, 2020 (GLOBE NEWSWIRE) -- FormFactor, Inc. (NASDAQ: FORM), a leading semiconductor test and measurement supplier, announced that it has once again been named a 10 BEST and THE BEST Supplier in VLSIresearch's annual customer satisfaction survey in three categories;

- · 10 Best Focused Suppliers of Chip Making equipment,
- THE BEST Suppliers of Test Equipment, and
- THE BEST Suppliers pf Test Subsystems.

The survey includes the feedback of worldwide semiconductor manufacturing companies, rating suppliers in 14 categories, and measuring in each - supplier performance, customer service and product performance. The results mark seven consecutive years that FormFactor has been selected in THE BEST Suppliers of Test Subsystems which includes manufacturers of probe cards, test sockets and device interface boards. In April, the company was also ranked as the world's top supplier of semiconductor probe cards in a separate VLSIresearch report*. "Customers give FormFactor high rankings for trust in supplier and technical leadership," said G. Dan Hutcheson, CEO of VLSIresearch. "... FormFactor continues to be a five-star supplier."

Trusted by leading semiconductor designers and foundries



How FormFactor Wins





FormFactor Occupies a Unique Place in Semiconductor Industry

Front-End: Wafer Fabrication Equipment



Industry: \$55 Billion

- 6% CAGR
- Highly cyclical, tied to capital spending
- Highly consolidated

Wafer Test & Measurement



Industry: \$1.9 Billion Advanced Probe Cards: \$1.5B; Engineering Systems: \$0.4B

- 6% CAGR for Advanced Probe Cards, devicespecific consumables
- 3% CAGR for Engineering Systems, driven by R&D budgets
- Demand driven by design releases on both new and existing nodes
- Moderate cyclicality
- Consolidated industry

Back-End: Wafer Assembly and Final Test



Industry: \$3.5 Billion

- 7% CAGR
- Highly cyclical, tied to capital spending
- Highly fragmented

Customers' shorter product cycles and faster times-to-market amplify secular growth in silicon devices

Sources: All market size and growth rates are VLSI research estimates, except for Engineering Systems which are company estimates.



Customers Value, FormFactor Benefits From "Lab to Fab" Capabilities

Customers benefit from accelerated path from concept to volume production

 Saves time and effort, improves yields, shortens time-to-market FormFactor Engages Customers Throughout Their Product Life Cycle



R&D/Engineering



High Volume Engineering/ Niche Production



Full Production

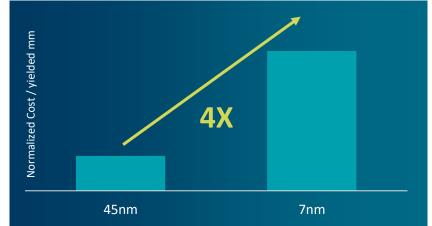
FormFactor's unique visibility to emerging trends, e.g. Silicon Photonics, Quantum Computing, Cryogenics, Micro LED, ensures focused R&D spend



FormFactor Benefits from Two Industry Dynamics

Secular Growth in the Semiconductor IndustryImage: Secular Growth in Semiconductor UseImage: Secular Growth in Secular Growth in Semiconductor UseImage: Secular Growth in Secular Growth in Secular Growth in Secular Growth in

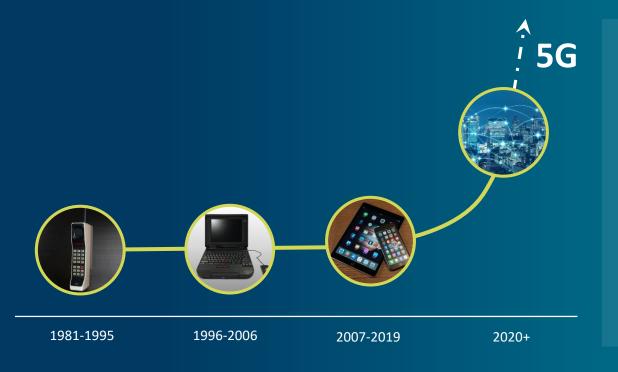
Slowing of Moore's Law: Node shrinks no longer provide cost reduction



Source: Su (AMD), IEDM 2017.



Exponential Growth in Silicon Devices Will Be Accelerated by 5G



Key Factors for 5G Success

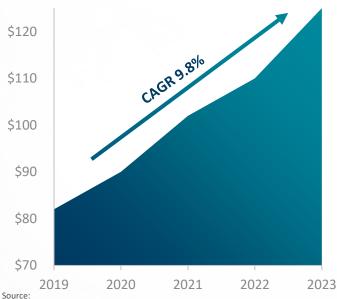
- RF expertise
- R&D-intensity
- Dependable supplier
- Customer intimacy



Source: Yole Development of Technology for 5G.

Infrastructure Spending and 5G Adoption Are Spurring Semiconductor and Probe Card Use

Data Center Capital Spending Forecast¹ IN BILLIONS



Source:

1. Omdia

2. Cisco "Annual Internet Report"

3. Lear Corporation, IHS Automotive for industry production.

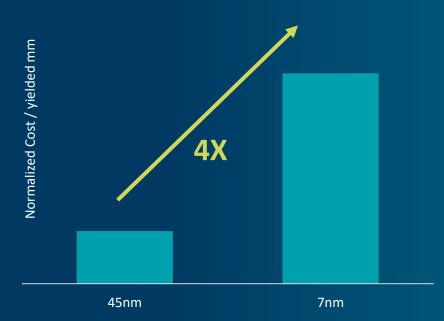
5G Will Drive Increased Content in Mobility and Automotive Applications

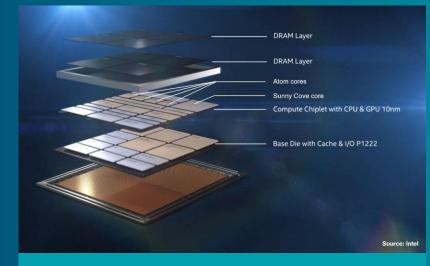
10% Connected Devices	≈30B Connected devices by 2023 M2M Smartphones TVs Other (tablets, PCs, etc.)						
2018-2023 CAGR	50%	23%	11%				
	g Semio			d Sensor Growth			
Autonomous ≈ \$50B		Electrificatio ≈ \$44B	n	Connectivity ≈ \$9B			
2035 Market Size	e	2027 Market Si	ze	2027 Market Size			



Advanced Packaging Addresses Scaling Challenges As Moore's Law Slows

Node shrinks no longer provide cost reduction

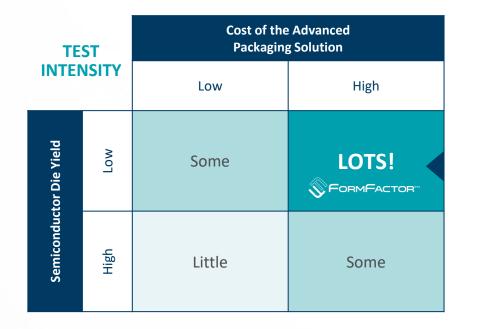


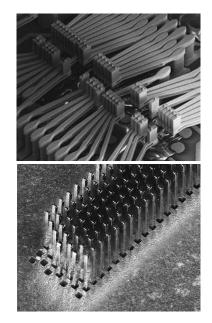


Advanced Packaging improves product-level performance, power and density

Source: Su (AMD), IEDM 2017. Note: Cost per yielded mm2 for a 250 mm2 die.

Probe Cards are Critical to Advanced Packaging





Test intensity, and therefore probe card demand, increases as advanced packaging becomes widespread



FormFactor's Markets Offer Attractive Growth Opportunities

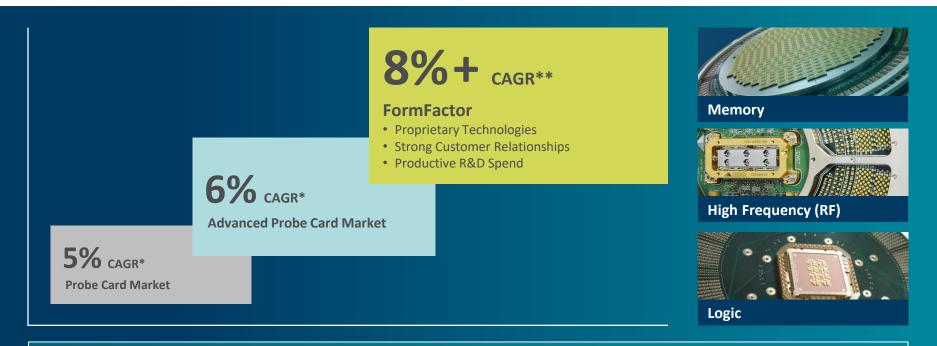
Growth From FormFactor's Industry-Leading Position in Fast-Growing Markets





*Based on VLSIresearch estimates and company estimates.

Unique Capabilities Position FormFactor for Faster Growth in Advanced Probe Cards



\$2 Billion Advanced Probe Card Market In 2023

Source: *VLSIresearch estimates. **Company estimates.



Poised for Above-Market Growth in Engineering Systems

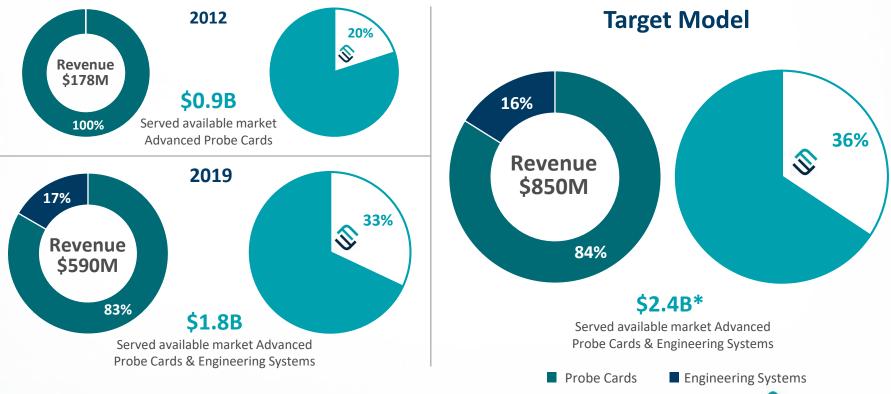


Technology Leadership and Worldwide Infrastructure Lead to Customer Intimacy and Early Involvement

Source: *VLSIresearch estimates. **Company estimates.



FormFactor's New Target Model



ACTOR

Growth to \$850M Target Model Revenue, Delivers \$2.00 Non-GAAP EPS

	2019 Actuals	Target Model
Revenue	\$590M	\$850M
Non-GAAP Gross Margin	44.5%	47.0%
Non-GAAP Operating Margin	17.3%	22.0%
Non-GAAP Effective Tax Rate	22.0%	17.0%
Non-GAAP Diluted Earnings Per Share	\$1.04	\$2.00
Free Cash Flow	\$102M	\$160M



Drivers of Shareholder Value Creation

Revenue Growth

- Underlying growth in semiconductor applications
- Participation in Advanced Packaging and 5G mega trends
- Diversification of customers

Operating Leverage

- Gross Margin expansion
- Disciplined operating structure
- Robust Operating Cash Flow and Free Cash Flow
- Profitable growth

Capital Allocation

Focused reinvestment

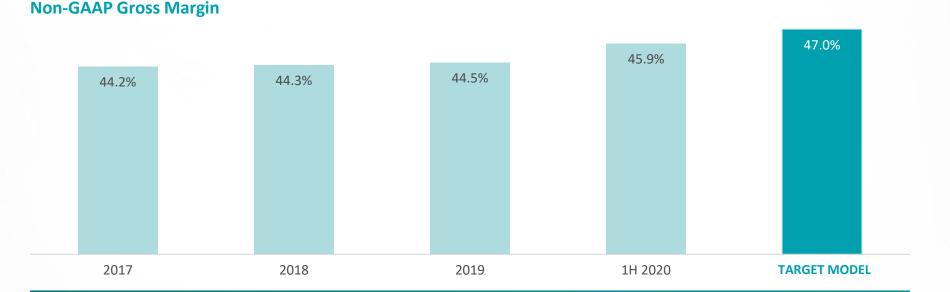
- R&D
- Capacity expansion
- Fund organic growth

M&A

- Increase served addressable market
- Acquire attractive technologies
- Patient, deliberate approach
 - Complementary to organic growth
 - Diversifies revenue stream
 - Accretive to earnings



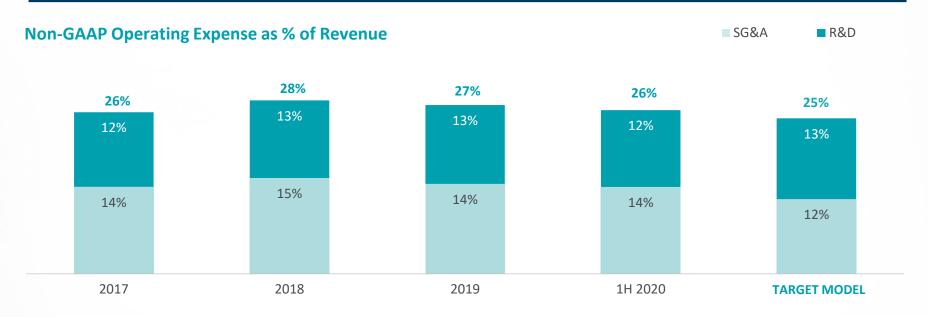
Revenue Growth Drives Increased Profitability



Improving operating efficiency and factory utilization will drive gross margin expansion



Scale Enhances Margins, Finances Differentiating R&D



Capitalize on scale to leverage our operating expense infrastructure. Continued significant R&D investment creates new organic growth opportunities.



Driving Operating Leverage Through Scale

Non-GAAP Operating Margin 22% 20% 18% 17% 16% 2017 2018 2019 1H 2020 **TARGET MODEL**

Disciplined spending and increasing scale will continue to enhance profitability



Capital Expenditures to Support Organic Growth

	2017	2018	2019	2020	Target CapEx Model	
CapEx	\$18M	\$20M	\$21M		\$30M - \$35M	
Revenue	\$548M	\$530M	\$590M	\$50M-\$60M Capacity Expansion	\$850M	
CapEx as % of Revenue	3.2%	3.8%	3.5%	Expansion	3.5%-4.0%	



New Livermore Facility



Highly Automated Manufacturing



Factory Expansions



Acquisition Strategy Adds Scale and Diversification

Established process focused on extending long-term industry leadership

- Acquisition priorities
 - Market leader in growing market
 - Compelling technical capabilities
 - Accretive
 - Focus on tuck-ins as well as larger scale companies
- Leveraging FormFactor's key capabilities and infrastructure to achieve synergies

Opportunistic acquisition of Advantest's probe card assets aligned with our long-term strategy and M&A principles

- Provides critical enabling technology reinforcing FormFactor's leadership
- Creates potential opportunity to increase share in the NAND Flash probe card market

Proven track record of identifying and integrating accretive acquisitions



Year: 2012 **Amount:** \$117M



Year: 2016 **Amount:** \$352M

Year: 2019 Amount: €19.7M

Acquisition of Advantest's probe card assets Year: 2020 Amount: \$35M



Highly Resilient Business Model

Enabled by Flexible Cost Structure

- 100% of employees with variable pay component
- Flexible staffing model

Strong and Healthy Balance Sheet

- Supported by strong free cash flows
- History of successfully managing debt and significant borrowing capacity available if needed



Recent Results (non-GAAP)

	Revenue	Gross Margin	Diluted EPS	Free Cash Flow
Q1'20 ACTUAL	\$160.8M	46.1%	\$0.33	\$27.6M
Q2'20 ACTUAL	\$157.8M	45.8%	\$0.33	\$18.6M
Q3'20 OUTLOOK	\$170M-\$182M	44%-47%	\$0.30-\$0.38	

Q2'20 and Q3'20 Themes:

- Q2 results benefitted from strong Foundry & Logic demand from multiple customers with no significant shutdowns or disruptions in internal operations and external supply chain
- Anticipate continued strength with major Foundry & Logic customers in addition to strengthening in DRAM, as key customers begin to ramp new server and mobile designs on the one-Y and one-Z nanometer nodes







Supplemental Information



FY 2019 GAAP to Non-GAAP Reconciliation

	GAAP		Non-GAAP					
	12-Months Ended	Stock-based	Amortization of	Amortization of			12-Months Ended	
	December 28, 2019	Compensation	Intangibles	Inventory Step-Up	Restructuring Charges	Acquisition Related	December 28, 2019	
Revenues	\$ 589,464		\$-	\$-	\$-	\$ -	\$ 589,464	
Cost of revenues	351,968		(20,036)	(465)	(258)		327,154	
Gross profit	237,496	4,055	20,036	465	258	-	262,310	
Operating expenses:								
Research and development	81,499		-	-	-	-	75,132	
Sales and marketing	64,400		(7,636)	-	-	-	50,019	
General and administrative	41,935			-	(223)	(460)	35,243	
Total operating expenses	187,834		(7,636)	<u> </u>	(223)	(460)	160,394	
Operating profit	49,662	23,176	27,672	465	481	460	101,916	
Interest income	2,714		-	-	-	-	2,714	
Interest expense	(1,915)	-	-	-	-	-	(1,915)	
Other income (expense), net	602						602	
Income before income taxes	51,063	23,176	27,672	465	481	460	103,317	
Provision for income taxes	11,717	4,969	5,827	29	119	86	22,747	
Net income	\$ 39,346	\$ 18,207	\$ 21,845	\$ 436	\$ 362	\$ 374	\$ 80,570	
Net income per share:								
Basic	\$ 0.52	\$ 0.24	\$ 0.29	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.07	
Diluted	\$ 0.51	\$ 0.24	\$ 0.28	\$ 0.01	\$ 0.00	\$ 0.00	\$ 1.04	
						;		
Weighted-average number of shares								
Basic	74,994	74,994	74,994	74,994	74,994	74,994	74,994	
Diluted	77,286	77,286	77,286	77,286	77,286	77,286	77,286	



Free Cash Flow Reconciliation

in thousands	2014	2015	2016	2017	2018	2019	1H20
Net cash provided by (used in operating activities)	\$ 17,659 \$	36,122	\$ 17,423	\$ 86,323	\$ 68,700	\$121,048	\$ 82,447
Add: Cash paid for interest	-	-	2,110	3,836	3,113	1,405	473
Add: Cash paid for acquisition related expenses	-	-	15,446	-	-	213	35
Capital expenditures	 (5,670)	(8,640)	(11,521)	(17,756)	(19,869)	(20,847)	(36,743)
Free cash flow	\$ 11,989 \$	27,482	\$ 23,458	\$ 72,403	\$ 51,944	\$ 101,819	\$ 46,212

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 nonrecurring.

For more information on non-GAAP measures and adjustments, please see the Supplemental Information in this presentation and available at http://investors.formfactor.com for reconciliations of non-GAAP financial measures to the most directly comparable GAAP financial measures.

