

Forward-Looking Statements

Statements in this presentation other than historical facts, such as statements pertaining to: (i) growth rates for 2021 and 2022; (ii) our ability to meet or exceed our 2023 financial targets ahead of expectations; (iii) continued improvement of industry demand for semiconductors and WFE; (iv) foundry/logic strength with our customers increasing their demand forecast in 2021; (v) strong demand for memory in 2021 and 2022; (vi) high R&D investment; (vii) expansion of service opportunities; (viii) capital allocation; (ix) the forecast of Optical Patterned Wafer Inspection to be among the fastest-growing segments in WFE; (x) our flagship reticle inspection business being on pace for a record year in 2021; (xi) continued improvement of revenue throughout calendar year 2021; (xii) levels of business activity in the quarter ending December 31, 2021 and for calendar 2021; (xiii) future capital returns to shareholders; (xiv) our non-GAAP operating expenses for the quarter ending December 31, 2021 and 2022, and demand levels across end markets; and (xvii) revenues, GAAP and non-GAAP gross margin and GAAP and non-GAAP diluted EPS for the quarter ending December 31, 2021 and revenues across customer segments in the quarter ending December 31, 2021; are forward-looking statements and subject to the Safe Harbor provisions created by the Private Securities Litigation Reform Act of 1995.

These forward-looking statements are based on current information and expectations and involve a number of risks and uncertainties. Actual results may differ materially from those projected in such statements due to various factors, including but not limited to: the future impacts of the COVID-19 pandemic; delays and disruptions in the supply chain; cybersecurity incidents of ours and our customer' and suppliers' networks; the demand for semiconductors; the financial condition of the global capital markets and the general macroeconomic environment; new and enhanced product and technology offerings by competitors; push-out of deliveries or cancellation of orders by customers; the ability of KLA's research and development teams to successfully innovate and develop technologies and products that are responsive to customer demands; KLA's ability to successfully manage its costs; market acceptance of KLA's existing and newly launched products; changing customer demands; and industry transitions. For other factors that may cause actual results to differ materially from those projected and anticipated in forward-looking statements in this letter, please refer to KLA's Annual Report on Form 10-K for the year ended June 30, 2021, and other subsequent filings with the Securities and Exchange Commission (including, but not limited to, the risk factors included therein). KLA assumes no obligation to, and does not currently intend to, update these forward-looking statements.





Strategic Overview and Highlights

Rick Wallace | Chief Executive Officer



Semiconductor Industry Demand Environment

Industry Demand Momentum Continues – Industry demand for semiconductors and WFE continues to improve. KLA benefited with broad, diversified strength across each of our major markets, with all major product groups seeing sequential growth. KLA is revising up its CY21 WFE estimate for the fourth time this year to approximately 40% (up from the mid 30's), with growth continuing into CY22.

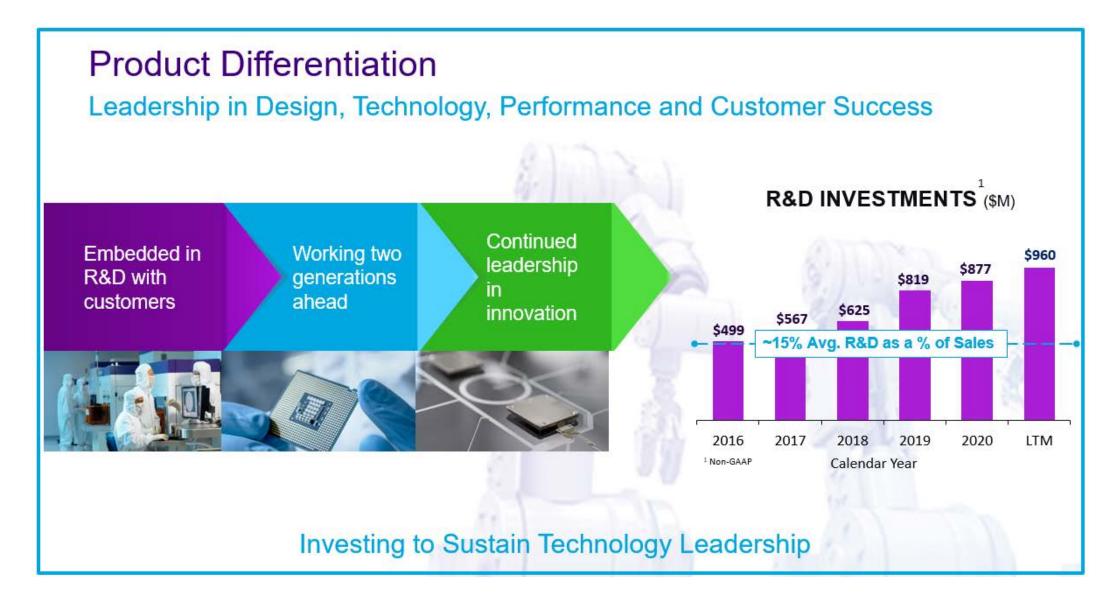
Customer R&D Investment Remains Very Strategic & Resilient — KLA helps enable critical technology transitions across Foundry/Logic (61% of quarterly semi process sales) and Memory (39% of quarterly semi process sales). As a result, our business is most levered to customers' strategic R&D investments and leading-edge product developments. As the world-wide market leader in Process Control, KLA is on the critical path to enable the implementation for all advanced technologies and improve yields.

Strong Secular Growth Drivers For Semiconductors – Regionalization of semiconductors can now be added to other strong existing secular growth drivers such as rising data center demand, the build out of 5G infrastructure and continued smartphone growth, the electrification of automotive, digital healthcare, work from home, virtual collaboration, remote learning, and digital entertainment. Semiconductors remain at the center of the digitization of more industries and related end-markets than ever before.

KLA is on Track to Exceed 2023 Financial Targets Well Ahead of Expectations



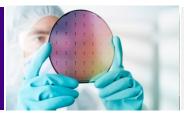
Innovate to Differentiate





September Quarter 2021 Business Highlights

1



KLA's Consistency Led By Execution and Strong Portfolio. We continue to benefit from strength across all our major end markets with overall revenue up 35% year-over-year. We are not immune from supply chain challenges, but we are navigating them well. In Foundry/Logic, simultaneous investments across multiple nodes and rising capital intensity continues to be a tailwind. In Memory, demand remains broad-based across multiple customers, with growth in 2021 led by DRAM, and 2022 setting up to be a strong year for NAND.

2



Optical Metrology Business Stands Out. KLA's metrology revenue is on track to grow meaningfully faster than the WFE market in 2021, after experiencing similar levels of absolute growth in 2020. This is driven by market leadership, as well as increasing adoption of metrology applications in leading edge technology development and capacity monitoring. The optical metrology market is strongly leveraged to EUV and critical next-generation architectures including gate-all-around (GAA) and multi-stack 160+ layer 3D NAND.

3



KLA's Market Leadership in the Largest and Fastest-Growing Segments of Process Control is Delivering Strong Relative Growth in our Semiconductor Process Control Segment. Optical patterned wafer inspection is forecasted to be among the fastest-growing markets in WFE in 2021 (for product segments over \$1 billion in revenue), following a similar result in 2020. Just last month, KLA introduced the new Voyager® 1035 laser scanning patterned wafer inspector, the latest in an extensive portfolio of inline defect inspection tools for critical process monitoring applications in advanced logic and memory chip manufacturing.

4



Stellar Services Performance as Double-Digit Growth Continues. Our Services business (22% of total revenue) continues to perform well, and grew 15% year-over-year, above its targeted long-term growth rate of 9% to 11%. Improved long-term growth in Services is being driven by a growing installed base, increasing complexity of our systems, tighter time-to-market requirements for our customers, and market expansion at trailing edge nodes. KLA's Services contract penetration rate is over 75% of overall Service revenue.

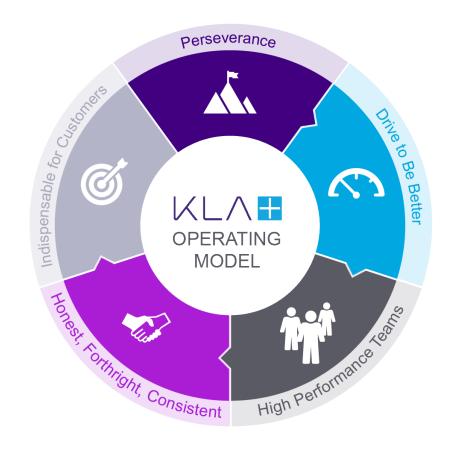
5



Company Delivered Exceptional Free Cash Flow Generation and Consistent Capital Returns. Quarterly free cash flow grew to a record level of \$795 million which drove LTM free cash flow up 42% year-over-year to \$2.29 billion. We have also remained focused on returning capital to shareholders via our dividend and stock repurchase program, both of which are up materially year-over-year, including \$563 million in share repurchases and dividends during the quarter.



The KLA Operating Model



Consistent strategy and execution

- Application of common processes and discipline
- Cascades throughout the organization
- Strong focus on talent development

Management by metrics

- Culture of performance and accountability
- **Expectation of continuous** improvement
- Superior margins driven by market leadership and differentiation

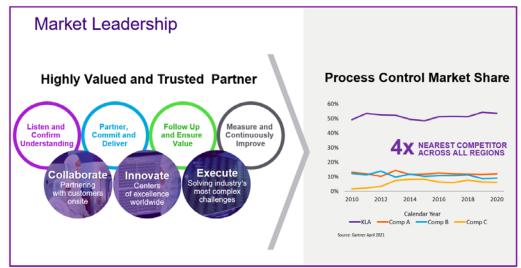
Financial discipline and rigor

- Exert efficiency and operating discipline in our investments
- Strong track record of high returns
- Focused on enhancing shareholder value

Focused on Driving Sustainable Profitability and Growth



KLA's Four Strategic Objectives Serve As Our Guide





High-caliber graduates from top-tier universities

Career development opportunities through multi-

Extensive education benefits and advanced-

Investing in Ann Arbor, Michigan Innovation

80% goal of Vice President promotions from

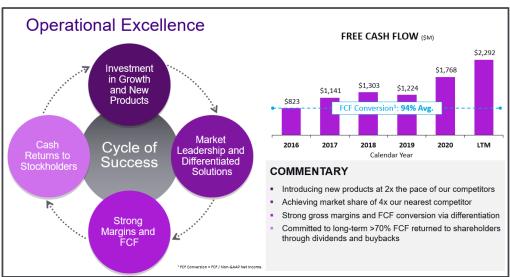
within - tracking at ~85%

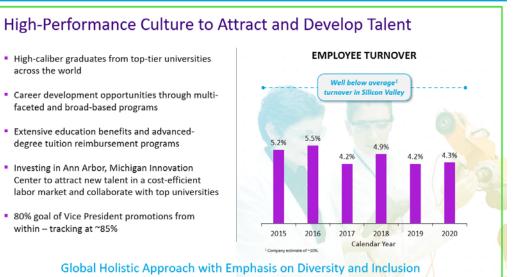
Center to attract new talent in a cost-efficient

degree tuition reimbursement programs

faceted and broad-based programs

across the world





Sources: Industry data and Company estimates.





Business Performance and Guidance

Bren Higgins | Chief Financial Officer



September Quarter 2021 Financial Highlights

\$2,084M

42.2% Op. Margin*

\$712M Net Income*

62.9% Gross Margin*

\$795M Free Cash Flow* \$4.64 NON-GAAP DILUTED EPS*

\$432M
Operating Expenses*

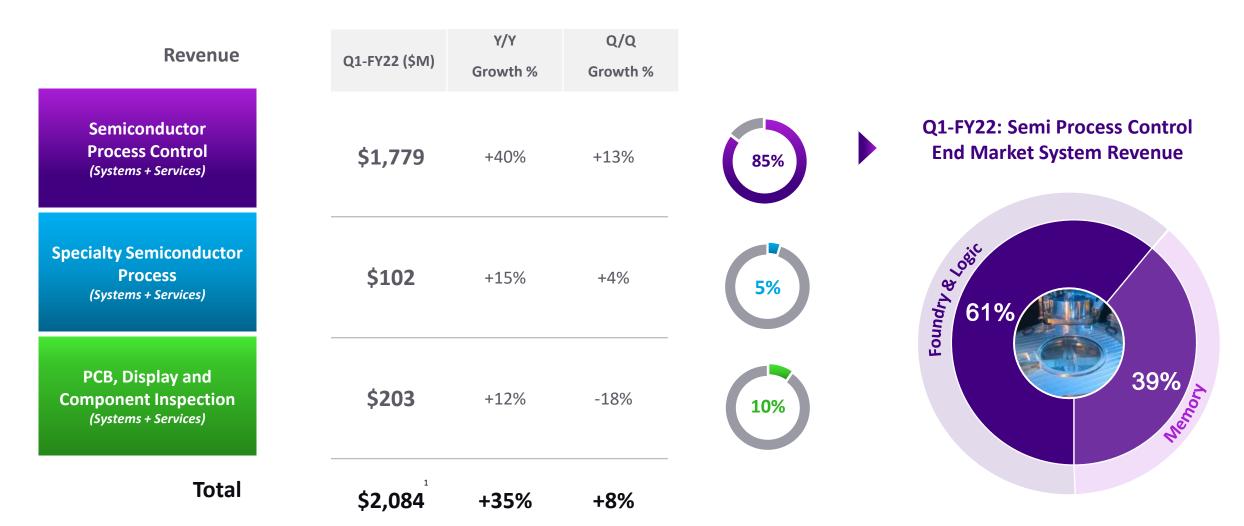
112% FCF Conversion*

\$6.96
GAAP DILUTED EPS



^{*} Non-GAAP metric – Please refer to Appendix for reconciliation to GAAP . Free Cash Flow (FCF) = Cash Flow from Operating Activities minus Capital Expenditures.

Breakdown of Revenue by Reportable Segments & End Markets



^{1.} Rounding difference with sum of above



Breakdown of Revenue by Major Product Categories and Region

Revenue

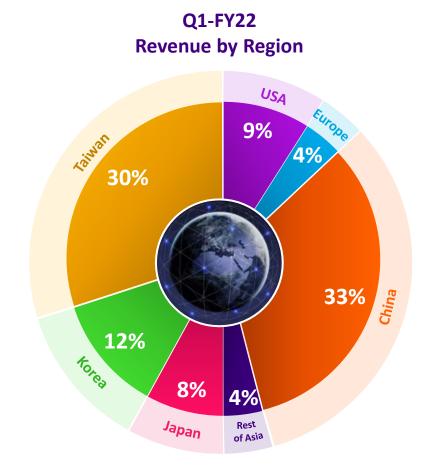
Wafer Inspection (Systems Only)
Patterning (Systems Only)
Specialty Semi Process (Systems Only)
PCB, Display and Component Inspection (Systems Only)
Services
Other ¹



Included in the Semiconductor Process Control Segment

Included in the Semiconductor Process Control Segmen
 Rounding difference with sum of above







Strong Balance Sheet With No Bond Maturities Until 2024

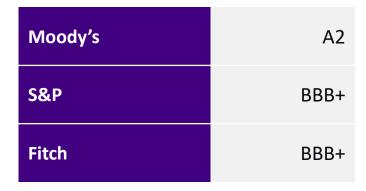
Balance Sheet Summary¹ (\$M)

Total Cash ²	\$ 2,625
Working Capital	\$ 3,622
Total Assets	\$ 11,146
Debt ²	\$ 3,423
Total Shareholders' Equity	\$ 3,859

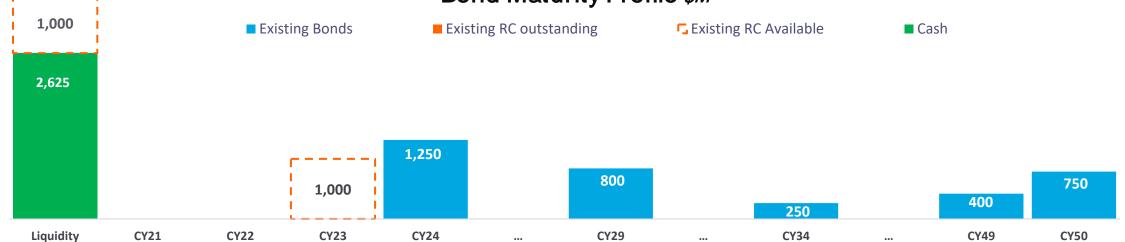
Bond Maturity Profile

Bonds Outstanding	\$ 3,450M
Weighted Average Rate	4.37%
Weighted Average Maturity	13.2 years

Investment Grade Credit Ratings







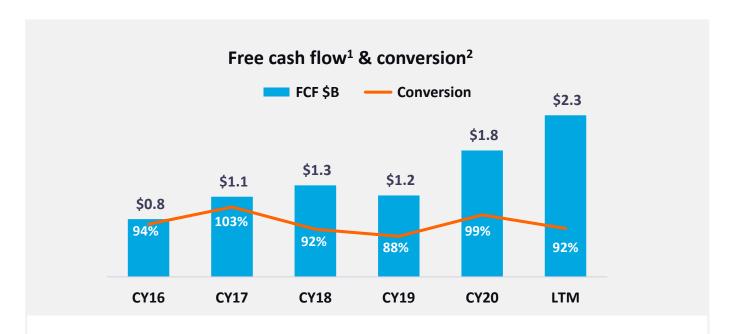
¹ As of 09/30/21; ² Total Cash includes Cash, Cash Equivalents and Marketable Securities;



² Difference between Bonds Outstanding of \$3.450B and gross debt of \$3.423B is un-amortized debt issuance discounts and costs. KLA also has a \$20M notes payable due in CY22

FCF Generation Fuels Consistent Capital Return to Shareholders





- Introducing new products at 2x the pace vs. our competitors
- Achieving market share of 4x our nearest competitor
- High gross margin and FCF conversion via differentiation

Committed to Long-Term >70% ³ FCF Returned to Shareholders through Dividends and Buybacks



¹ Free Cash Flow (FCF) = Cash Flow from Operating Activities minus Capital Expenditures

² FCF Conversion defined as FCF/Non-GAAP Net Income; Non-GAAP metric – Please refer to Appendix for reconciliation to GAAP

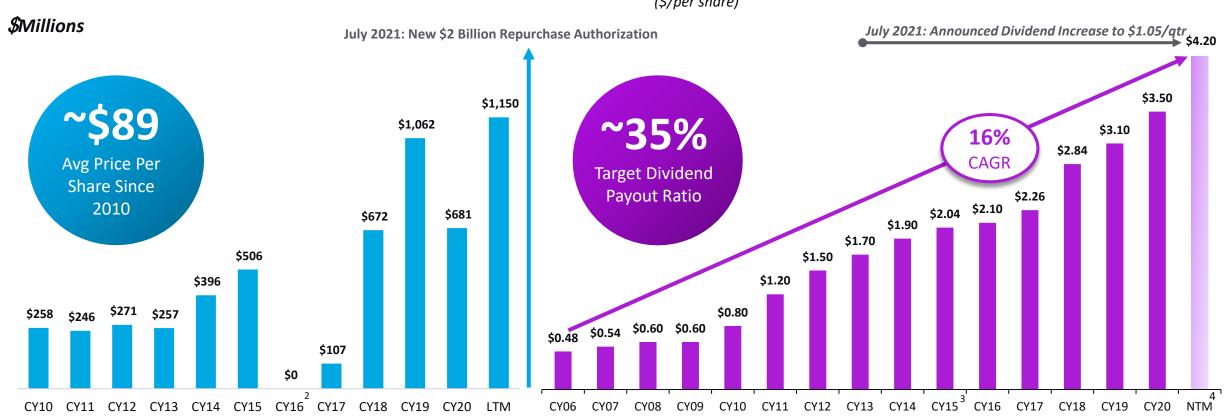
³ For calendar 2021 KLA committed to return > 85% of FCF as disclosed originally on 4/29/21 earnings call

Return to Shareholders Balanced Between Buybacks and Dividends



Strong track record of annual per share dividend increases

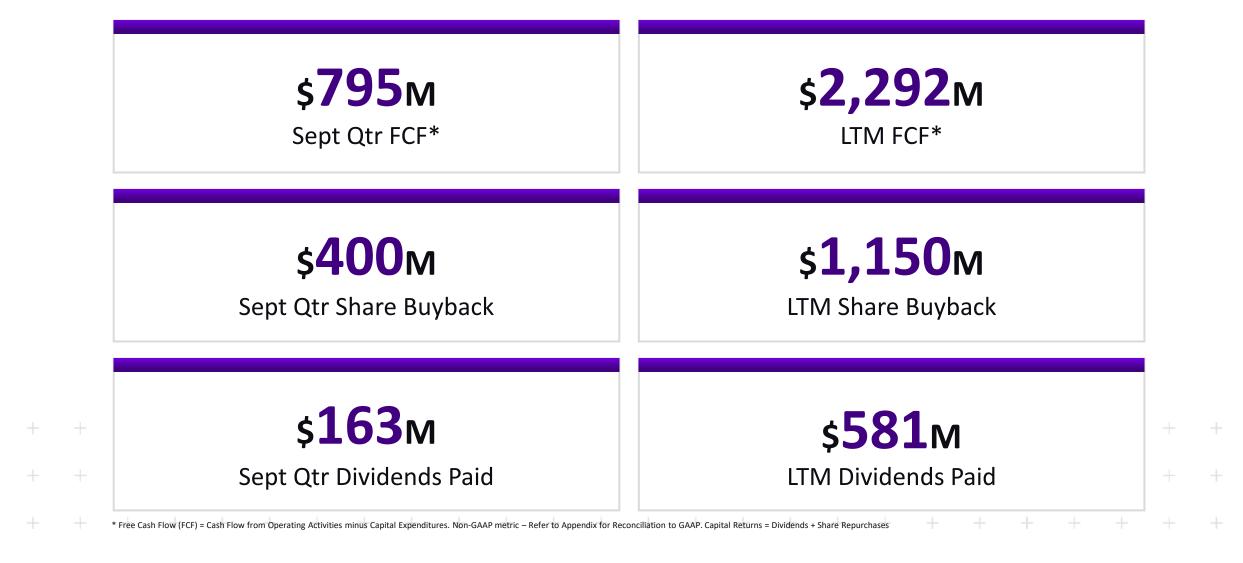
(\$/per share)



¹Settlement Date basis ²Share repurchase halted in CY16 during KLA-Lam merger proceedings ³Excludes \$16.50 per share special dividend in CY15 ⁴NTM = Next Twelve Months (Pro forma)



Free Cash Flow and Capital Returns Highlights





December Quarter 2021 Guidance (Q2 FY2022)

	December 2021 quarter
REVENUE	\$2,225M to \$2,425M
NON-GAAP GROSS MARGIN*	62% to 64%
GAAP DILUTED EPS	\$4.69 to \$5.59
NON-GAAP DILUTED EPS*	\$4.95 to \$5.85

Macro assumptions

Semi Process Control Revenue By End Market

Foundry/Logic: 74%

Memory: 26%

Model assumptions

Non-GAAP Operating Expenses:* ~\$470M

Other Income & Expense (OIE), Net: ~\$44M

Effective Tax Rate: ~13.5%

Diluted Share Count: ~152M

Driving Profitable Growth and Delivering Shareholder Value

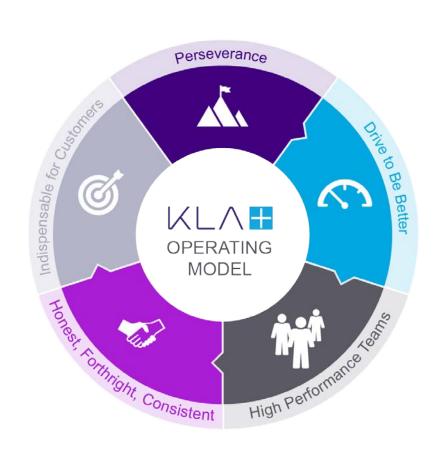


^{*} Non-GAAP metric – Refer to Appendix for Reconciliation to GAAP

The KLA Operating Model Continues to Guide Us

3

5



Global leader in process control and supplier of process-enabling solutions for the data era

Sustained technology leadership allows us to remain at forefront of industry trends with new capabilities and technologies, enabling our profitable growth strategy

Competitive moat driven by deep, collaborative customer relationships, a broad IP portfolio, significant R&D investments, and differentiated solutions to solve our customers' most complex challenges

Experienced and energized leadership team utilizing the KLA Operating Model to 4 instill a high-performance culture driving efficiency and operating performance

Track record of strong cash flow generation supported by diversification of revenue streams; balanced capital allocation delivering superior shareholder value





Appendix

Reconciliation of Financial Results

Reconciliation of Non-GAAP Financial Measures

	Fo	r the three									
		nths ended	For the twelve months ended								
(in thousands, except per share amounts and percentages)		ep 30, 2021			Dec 31, 2019						
GAAP net income attributable to KLA	\$	1,068,417	\$ 2,726,142	\$ 1,367,523	\$ 1,137,653	\$ 1,420,692	\$ 656,341	\$ 863,670			
Adjustments to reconcile GAAP net income to non-GAAP net income*											
Acquisition-related charges	а	60,168	219,248	214,533	340,318	21,218	4,737	4,383			
Restructuring, severance and other charges	b	125	3,909	16,885	2,786	-	-	137			
Debt extinguishment loss	С	-	-	22,538	-	-	-	-			
Goodwill and intangible asset impairment	d	-	-	256,649	-	-	-	-			
Merger-related charges	е	-	-	-	-	-	9,308	17,051			
Income tax effect of non-GAAP adjustments	f	(19,684)	(72,012)	(74,196)	(97,828)	(1,229)	(4,631)	(6,169)			
Discrete tax items	g	(397,000)	(378,966)	(10,047)	8,465	(18,089)	441,894	(3,064)			
Non-GAAP net income attributable to KLA	\$	712,026	\$ 2,498,321	\$ 1,793,885	\$ 1,391,394	\$ 1,422,592	\$ 1,107,649	\$ 876,008			
GAAP diluted EPS	\$	6.96									
Non-GAAP diluted EPS	\$	4.64									
Shares used in diluted shares calculation		153,410									
GAAP research and development ("R&D") expenses	\$	258,153	\$ 967,602	\$ 880,635	\$ 822,928	\$ 624,668	\$ 570,202	\$ 503,188			
Adjustments to reconcile GAAP R&D expenses to non-GAAP R&D expenses*	•	200,100	4 551,552	+ 555,555	4 522,525	4 52.,555	¥ 515,252	+ 555,155			
Acquisition-related charges	а	(5,962)	(5,962)	_	(3,328)	_	_	_			
Restructuring, severance and other charges	b	-	(1,782)	(3,625)	(802)	_	_	(5)			
Merger-related charges	е	_	-	-	-	_	(3,139)	(3.767)			
Non-GAAP R&D expenses	\$	252,191	\$ 959,858	\$ 877,010	\$ 818,798	\$ 624,668	\$ 567,063	\$ 499,416			
GAAP R&D expenses as a percentage of revenue		12.4%	13.0%	14.5%	15.6%	14.5%	15.0%	15.4%			
Non-GAAP R&D expenses as a percentage of revenue		12.1%	12.9%	14.4%	15.5%	14.5%	14.9%	15.3%			
GAAP income before income taxes	\$	766,348									
Adjustments to reconcile GAAP income before income taxes to non-GAAP income	e before inc	ome taxes*									
Acquisition-related charges	а	60,168									
Restructuring, severance and other charges	b	125									
Non-GAAP income before income taxes	\$	826,641									
GAAP income tax expense (benefit)	\$	(302,137)									
Adjustments to reconcile GAAP income tax expense to non-GAAP income tax ex	pense*										
Income tax effect of non-GAAP adjustments	f	19,684									
Discrete tax items	g	397,000									
Non-GAAP income tax expense (benefit)	\$	114,547									
GAAP effective tax rate		-39.4%									
Non-GAAP effective tax rate		13.9%									

^{*} Refer to "Reconciliation of Non-GAAP Financial Measures - Explanation of Non-GAAP Financial Measures" for detailed descriptions and information for each reconciling item



Reconciliation of Non-GAAP Financial Measures

		or the three
(Dollars in thousands)		Sep 30, 2021
GAAP operating income (1)	\$	818,800
Adjustments to reconcile GAAP operating income to non-GAAP operating income	*	,
Acquisition-related charges	а	60,168
Non-GAAP Operating income (1)	\$	878,968
GAAP operating margin		39.3%
Non-GAAP operating margin		42.2%
GAAP Selling, General and Administrative ("SG&A") expenses (1)	\$	193,261
Adjustments to reconcile GAAP SG&A expenses to non-GAAP SG&A expenses*		
Acquisition-related charges	a	(13,091)
Non-GAAP SG&A expenses (1)	\$	180,170
GAAP Operating expenses (1)	\$	451,414
Adjustments to reconcile GAAP operating expenses to non-GAAP operating expe	nses*	
Acquisition-related charges	a	(19,053)
Non-GAAP Operating expenses (1)	\$	432,361
GAAP gross profit	\$	1,270,214
Adjustments to reconcile GAAP gross profit to non-GAAP gross profit*	_	44 445
Acquisition-related charges	a	41,115 1,311,329
Non-GAAP gross profit	Þ	1,311,329
GAAP gross margin		61.0%
Adjustments to reconcile GAAP gross margin to non-GAAP gross margin*		
Acquisition-related charges	a	1.9%
Non-GAAP gross margin		62.9%

^{*} Refer to "Reconciliation of Non-GAAP Financial Measures - Explanation of Non-GAAP Financial Measures" for detailed descriptions and information for each reconciling item

(1) Non-GAAP operating income and operating expenses include the effects of the changes in the Company's Executive Deferred Savings Plan Program ("EDSP") and the changes in the EDSP liability and asset are recorded in selling, general and administrative expense in operating expenses. The expenses (benefits) associated with changes in the liability included in selling, general and administrative expense for the quarter ended September 30, 2021 was \$(1.0) million. The gains (losses) associated with changes in the EDSP assets included in selling, general and administrative expense for the guarter ended September 30, 2021 was \$(1.1) million.



Reconciliation of Free Cash Flow and Related Metrics

Free Cash Flow Measures													
(Dollars in thousands)	Fo	or the three	mon	ths ended	For the twelve months ended								
	Se	p 30, 2021	Se	ep 30, 2020	Sep 30, 2021	Dec 31, 2020	Se	ep 30, 2020	Dec 31, 2019	Dec 31, 2018 Dec 31, 2017		Dec 31, 201	
Net cash provided by operating activities	\$	863,797	\$	512,171	\$ 2,536,650	\$ 1,968,126	\$	1,794,776	\$ 1,373,031	\$ 1,389,697	\$ 1,190,475	\$	857,780
Less Capital expenditures		(68,955)		(55,925)	(244,657)	(200,304))	(176,034)	(149,242)	(86,518)	(49,207)		(34,974)
Free cash flow	\$	794,842	\$	456,246	\$ 2,291,993	\$ 1,767,822	\$	1,618,742	\$ 1,223,789	\$ 1,303,179	\$ 1,141,268	\$	822,806
Free Cash Flow Conversion calculation													
Free cash flow	\$	794,842			\$ 2,291,993	\$ 1,767,822			\$ 1,223,789	\$ 1,303,179	\$ 1,141,268	\$	822,806
Non-GAAP net income attributable to KLA		712,026			2,498,321	1,793,885			1,391,394	1,422,592	1,107,649		876,008
Free cash flow conversion		111.6%			91.7%	98.5%	•		88.0%	91.6%	103.0%		93.9%
GAAP metric comparable to Free Cash Flow Conversion	on												
Net cash provided by operating activities	\$	863,797			\$ 2,536,650	\$ 1,968,126			\$ 1,373,031	\$ 1,389,697	\$ 1,190,475	\$	857,780
GAAP net income attributable to KLA		1,068,417			2,726,142	1,367,523			1,137,653	1,420,692	656,341		863,670
GAAP metric comparable to free cash flow conversion	1	80.8%			93.0%	143.9%	•		120.7%	97.8%	181.4%		99.3%
Cash paid for dividends	\$	162,821	\$	141,164									
Cash paid for share repurchases		399,677		187,897									
Capital returns	\$	562,498	\$	329,061									
Capital returns as a percentage of free cash flow		70.8%		72.1%									

The Company presents free cash flow and certain related metrics as supplemental non-GAAP measures of its performance. Free cash flow is determined by adjusting GAAP net cash provided by operating activities for capital expenditures. Free cash flow conversion is defined as free cash flow divided by non-GAAP net income.



Reconciliation of Q2 FY 2022 Guidance Range

In millions, except per share amounts and percentages)		Low		High
GAAP diluted net income per share		\$	4.69	\$ 5.59
Acquisition-related charges	а		0.36	0.36
Restructuring, severance and other charges	b		0.01	0.01
Income tax effect of non-GAAP adjustments	f		(0.11)	(0.11)
Non-GAAP diluted net income per share		\$	4.95	\$ 5.85
Shares used in diluted shares calculation			152.2	152.2
GAAP gross margin			60.2%	62.3%
Acquisition-related charges	а		1.8%	1.7%
Non-GAAP gross margin			62.0%	64.0%
GAAP operating expenses		\$	480	\$ 492
Acquisition-related charges	а		(14)	(14)
Restructuring, severance and other charges	b		(2)	(2)
Non-GAAP operating expenses		\$	464	\$ 476

Note: The guidance as of October 27, 2021 represents our best estimate considering the information known as of the date of issuing the guidance. We undertake no resonponsibility to update the above in light of new information or future events. Refer to forward looking statements for important information. Also refer to "Reconciliation of Non-GAAP Financial Measures - Explanation of Non-GAAP Financial Measures" for detailed descriptions and information about each reconciling item.



Reconciliation of Non-GAAP Financial Measures

Explanation of Non-GAAP Financial Measures:

To supplement our Condensed Consolidated Financial Statements presented in accordance with GAAP, we provide certain non-GAAP financial information, which is adjusted from results based on GAAP to exclude certain costs and expenses, as well as other supplemental information. The non-GAAP and supplemental information is provided to enhance the user's overall understanding of our operating performance and our prospects in the future. Specifically, we believe that the non-GAAP information, including non-GAAP net income attributable to KLA, non-GAAP net income per diluted share attributable to KLA, non-GAAP R&D expenses, non-GAAP gross margin, non-GAAP operating margin, non-GAAP operating expenses, Free Cash Flow, FCF Conversion and FCF Margin, provides useful measures to both management and investors regarding financial and business trends relating to our financial performance by excluding certain costs and expenses that we believe are not indicative of our core operating results to help investors compare our operating performances with our results in prior periods as well as with the performance of other companies. The non-GAAP information is among the budgeting and planning tools that management uses for future forecasting. However, because there are no standardized or generally accepted definitions for most non-GAAP financial metrics, definitions of non-GAAP financial metrics are inherently subject to significant discretion (for example, determining which costs and expenses to exclude when calculating such a metric). As a result, non-GAAP financial metrics may be defined very differently from company to company, or even from period to period within the same company, which can potentially limit the usefulness of such information to an investor. The presentation of non-GAAP and supplemental information is not meant to be considered in isolation or as a substitute for results prepared and presented in accordance with United States GAAP. The following are descriptions of the adjustments made to reconcile GAAP net income attributable to KLA to non-GAAP net income attributable to KLA:

- a) Acquisition-related charges primarily include amortization of intangible assets and other acquisition-related adjustments including adjustments for the fair valuation of inventory and backlog, and transaction costs associated with our acquisitions.
- b) Restructuring, severance and other charges primarily include costs associated with employee severance, acceleration of certain stock-based compensation arrangements, and other exit costs.
- c) Debt extinguishment loss includes a pre-tax loss on early extinguishment of the \$500 million 4.125% Senior Notes due in November 2021.
- d) Goodwill impairment includes non-cash expense recognized as a result of the company's annual testing for goodwill impairment performed in the third quarter of the fiscal year. The impairment charge resulted from the downward revision of financial outlook for the acquired Orbotech business as well as the impact of elevated risk and macroeconomic slowdown driven by the COVID-19 pandemic.
- e) Merger-related charges associated with the terminated merger agreement between KLA-Tencor and Lam Research Corporation ("Lam") primarily include employee retention-related expenses, legal expenses and other costs.
- f) Income tax effect of non-GAAP adjustments includes the income tax effects of the excluded items noted above.
- g) Discrete tax items consist of consist of certain income tax expenses/benefits that, by excluding, help investors compare our operating performance with our results in prior periods as well as with the performance of other companies.

