

# Investor Presentation ductor & SemiCap IxI Conference

# 5<sup>th</sup> Annual Needham Virtual Semiconductor & SemiCap 1x1 Conference





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# August 2024

# Forward-Looking Statements and Non-GAAP Financials

This Presentation and the accompanying oral presentation include "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, regarding Ichor Holdings, Ltd. and its subsidiaries ("Ichor" or the "Company"), its financial condition, its results of operations and the potential offering that reflect the Company's current views and information currently available. This information is, where applicable, based on estimates, assumptions and analysis that Ichor believes, as of the date hereof, provides a reasonable basis for the information contained herein. Forward-looking statements can generally be identified by the use of forward-looking words such as "may", "will", "would", could", "expect", "intend", "plan", "aim", "estimate", "target", "anticipate", "believe", "continue", "objectives", "outlook", "guidance" or other similar words, and include statements regarding Ichor's plans, strategies, initiatives, objectives, targets and future operating or financial performance. These forward-looking statements involve known and unknown risks, uncertainties and other factors (including those set forth under "Risk Factors" in Ichor's prospectus), many of which are outside the control of Ichor and its representatives. Actual results, performance or achievements may differ materially and potentially adversely from any projections and forward-looking statements and the assumptions on which those forward-looking statements are based. There can be no assurance that the information contained in this Presentation is reflective of future performance to any degree, and readers are cautioned not to place undue reliance on forward-looking statements as a predictor of future performance. All information in this Presentation is reflective of new information, future events or otherwise. Forecasts and estimates regarding the Ichor's industry and end-markets are based on sources we believe to be reliable; however, there can be no

This Presentation includes certain financial measures not presented in accordance with generally accepted accounting principles ("GAAP"), including, but not limited to, adjusted net income from continuing operations and certain ratios and other metrics derived therefrom. These non-GAAP financial measures are not measures of financial performance in accordance with GAAP and may exclude items that are significant in understanding and assessing Ichor's financial results. Therefore, these measures should not be considered in isolation or as an alternative to net income, cash flows from operations or other measures of profitability, liquidity or performance under GAAP. You should be aware that Ichor's presentation of these measures may not be comparable to similarly-titled measures used by other companies. Non-GAAP reconciliations are contained at the end of this document and in Ichor's SEC filings.

This Presentation also contains estimates and other statistical data made by independent parties relating to market size and growth and other industry data. These data involve a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. The Company has not independently verified the statistical and other industry data generated by independent parties and contained in this presentation and, accordingly, it cannot guarantee their accuracy or completeness. In addition, projections, assumptions and estimates of its future performance and the future performance of the markets in which it competes are necessarily subject to a high degree of uncertainty and risk due to a variety of factors. These and other factors could cause results or outcomes to differ materially from those expressed in the estimates made by the independent parties.

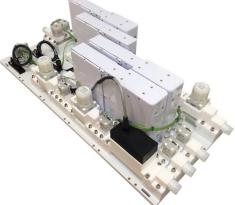


# **Ichor Overview**

# A Leading Provider of Critical Fluid Delivery Subsystems for Semiconductor Capital Equipment

- Gas and chemical delivery Subsystems, Flow Controllers, Subassemblies and Components are key elements of process tools used in the manufacturing of semiconductor devices
- Over 20 years of operational history providing design, qualification, manufacturing and testing expertise to key OEMs throughout the product development cycle
- Global manufacturing footprint in the US, Malaysia, Singapore, Korea, Mexico and Scotland, with facilities strategically located in close proximity to key customers
- Headquartered in Fremont, California with approximately 2,200 employees globally
- CY2023 Revenue and EPS of \$811M and \$0.42<sup>(1)</sup>, respectively









Note: (1) Diluted EPS is presented on a Non-GAAP basis. Non-GAAP diluted Earnings per Share excludes from GAAP net income (loss), amortization of intangible assets, share-based compensation expense, and discrete or infrequent charges and gains that are outside of normal business operations, including acquisition-related costs, contract and legal settlement gains and losses, facility shutdown costs, and severance costs associated with reduction-in-force programs, to the extent they are present in net income (loss); and the tax impacts associated with these non-GAAP adjustments, as well as non-recurring discrete tax items, including the impact of deferred tax asset valuation allowances. See Appendix for reconciliations of GAAP to Non-GAAP financial measures.



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# Chemical Delivery Subsystems

# **Precision Machining**



# **Investment Highlights**

- Strong Track Record of Revenue Growth Outperforming the Overall Industry: We delivered annual revenue growth of 24% (CAGR) from 2015 to 2022, outperforming annual WFE (wafer fab equipment) growth of 17% over the same period; multiple strategies in place to continue delivering above-industry revenue growth<sup>(1)</sup>
- Multiple Technology Transitions are Driving Growth in Ichor's Served Markets: WFE intensity continues to increase and EUV adoption continues to ramp at the same time as the industry is driving aggressively toward advanced nodes (e.g., gateall-around, 3D DRAM) and trailing nodes (e.g., advanced packaging, non-traditional applications such as SiC)
- New Technologies and Processes Require the Increasing Deployment of Growth Applications within WFE: Key technology inflections driving demand across multiple emerging growth segments within etch, deposition and lithography that have significant fluid delivery requirements – creating strong growth opportunity for Ichor's broad portfolio of subsystems and components
- **Increasing Investment in Proprietary Products to Drive Gross Margin Expansion:** We are engaged with multiple customers who are evaluating adoption of our next-generation gas panel and components that contain significantly higher proprietary Ichor content, which is a key aspect of our strategies to deliver gross margin expansion
- Strong Track Record of Growing Earnings Faster than Revenues as Demand Ramps: Our net income (non-GAAP) grew at 2x the rate of revenue growth from 2019 through 2022 (3-year earnings CAGR of 55% compared to annual revenue growth of 27%)<sup>(2)</sup>

<sup>(2)</sup> See Appendix for reconciliations of GAAP to Non-GAAP financial measures.



<sup>(1)</sup> CAGR calculated with WFE consensus analyst estimates from 2015 to 2022.

# **Multiple Strategies to Outgrow the Industry**

Historical Track Record of Outperformance of Roughly ~5% above WFE Growth

# **Multiple Drivers for Industry Outperformance**

## **Industry Trends** $\checkmark$

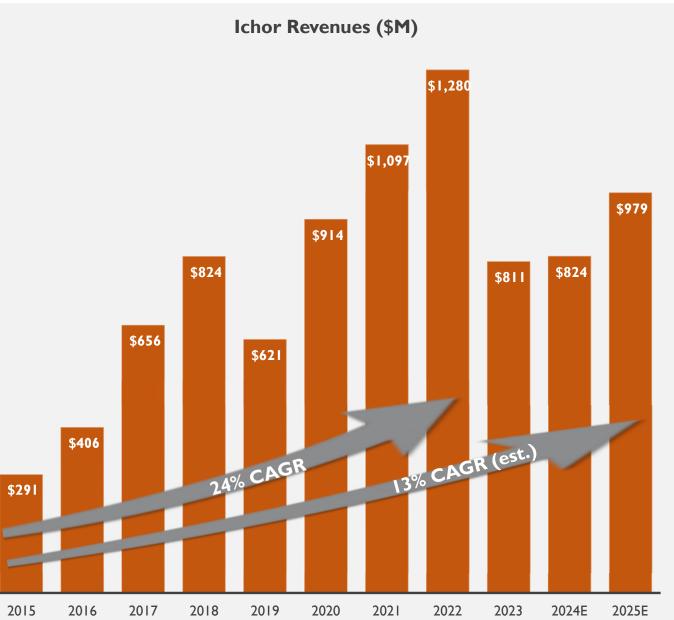
- Increasing share of spend driven by etch, deposition, and EUV
- Technology inflections require more control of processes, driving growth in fluid delivery SAM
- Increasing trend toward outsourcing

# **Ichor Execution**

- Market share gains
- Accretive and complementary acquisitions
- Expanded product offerings
- Levered to etch and deposition
- Key role in EUV adoption
- New markets outside of semiconductor WFE

Note: 2024E and 2025E reflects Ichor analyst consensus as of August 16, 2024.



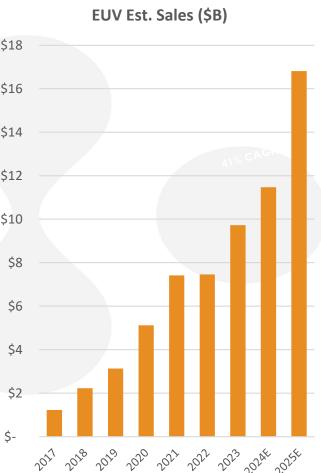


# **Technology Transitions Driving Growth in Ichor SAM**

## WFE Intensity Increasing<sup>(1)</sup> WFE as % of Semi. Rev. 18% \$18 17% \$16 16% \$14 15% \$12 14% \$10 13% \$8 12% \$6 11% \$4 10% \$2 9% 2015 2016 2017 2018 2019 2010 2017 2012 201 2017 224 F2. F2. F2. F2. 2018

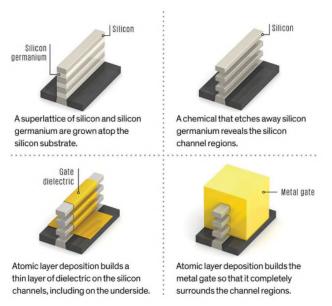
- Semis expected to outgrow GDP
- WFE intensity expected to remain >15%

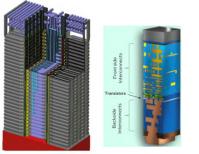
# EUV Ramping<sup>(2)</sup>

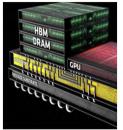


- Increasing deployment of EUV offers incremental gas delivery SAM
- ASML became 10% customer for Ichor in 2023

# Accelerating Investment in **Advanced Nodes**







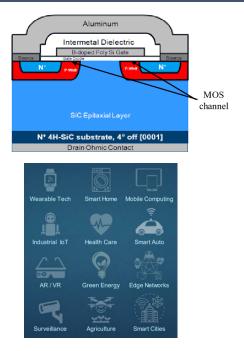
- Geometries becoming far more complex, magnifying impact of defects
- Requiring faster etch rates and more control over processes

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(1) Consensus WFE estimates from at least 10 sellside analysts (current as of August 2024). Proprietary Semi. Rev. estimate from BofA April 15, 2024. Average of ASML's EUV revenue estimates from Cantor Fitzgerald, Evercore, JP Morgan and Wolfe Research as of August 2024.



# Increased Investment in **Trailing Nodes and Non-Semi**

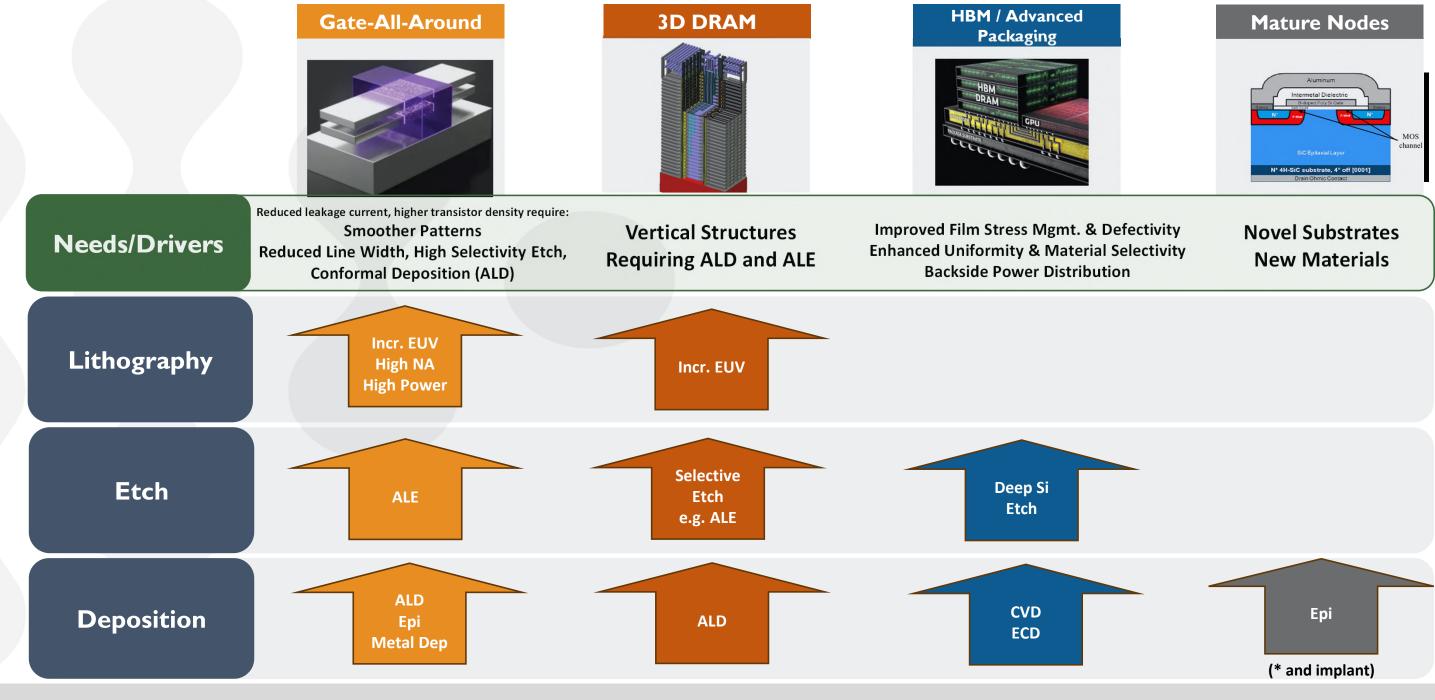




Expanding TAM of semi device types and applications

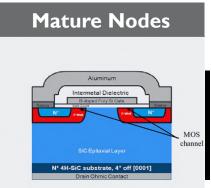
Leveraging machining and components business into non-semi markets

# **Technology Inflections Requiring More Etch, Dep, EUV** Increasing Use of Applications with Significant Fluid Delivery Requirements

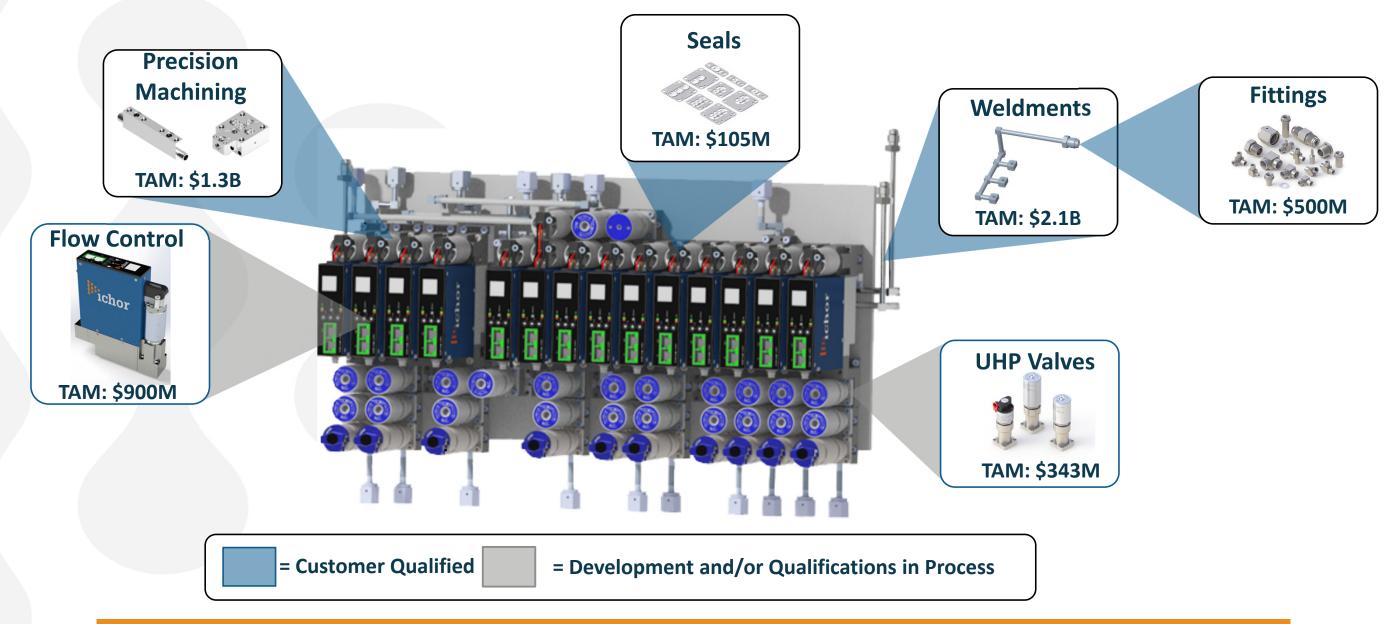


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# **Increasing Investment in Proprietary Products** Gas Delivery: Vertical Integration Strategy



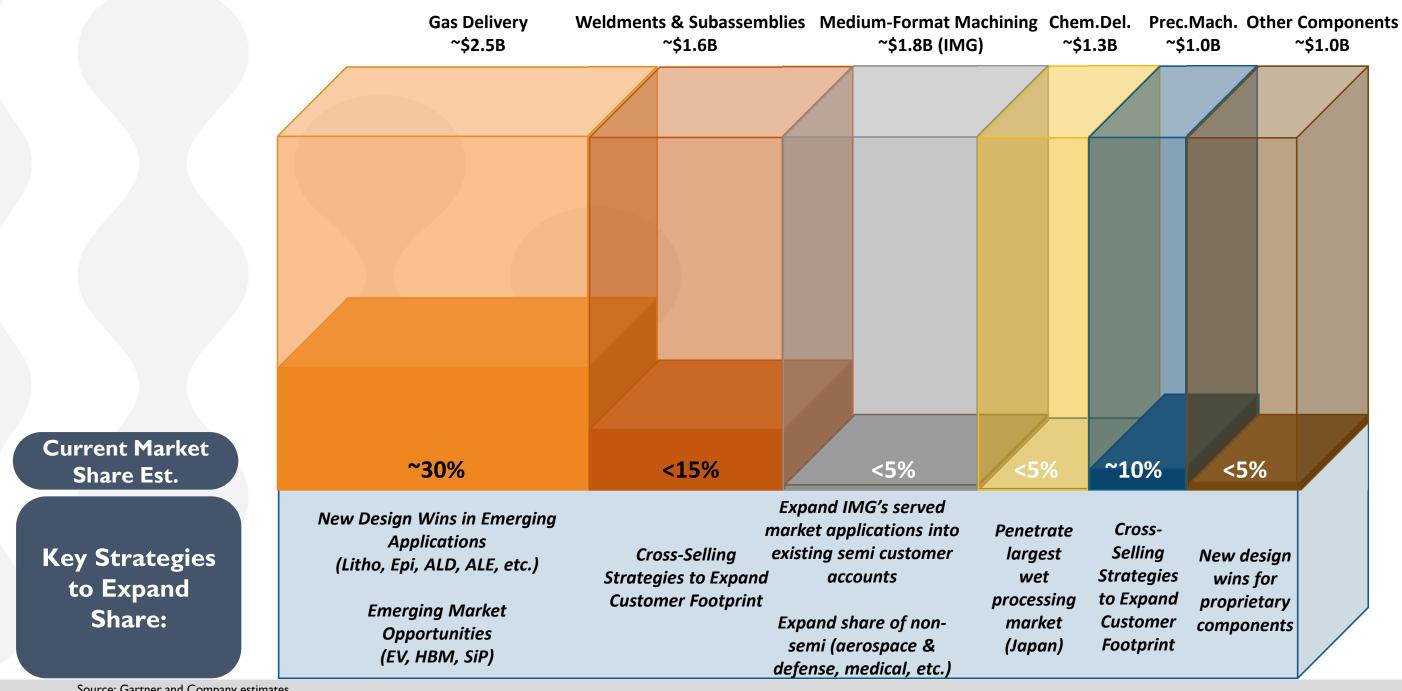
Core product strategy is to develop high value, high IP content that increases Ichor's vertical capabilities from ~10% of BoM to up to 80% of BoM of gas delivery system



Source: Gartner and Company estimates.

# Ichor's Served Market Totals ~10% of WFE

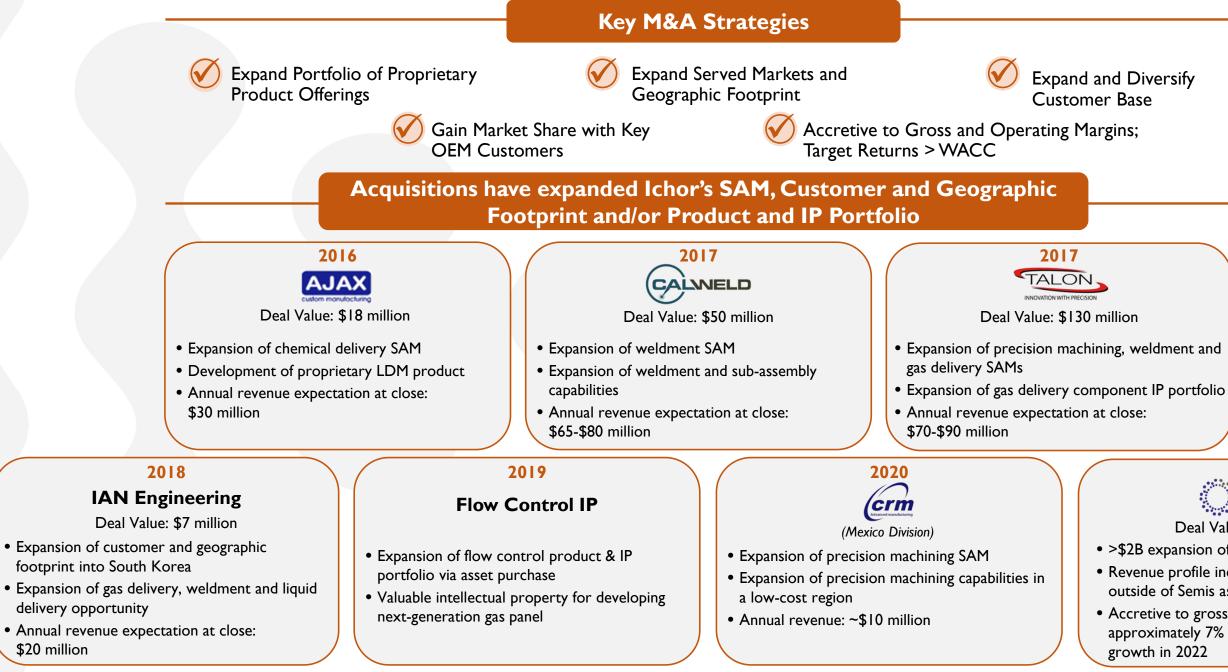
# ~\$9B SAM and Estimated Share for Average Market Opportunity: 2022 & 2023





Source: Gartner and Company estimates.

# **Track Record of Successful M&A**



Note: Acquisition revenue contribution amounts for Cal-Weld, Talon Innovations and IAN Engineering based on expected annual revenue contributions as disclosed in transaction announcement press releases. Ajax revenue annualized based on \$20 million in revenue generated for the 8 months ended 12/31/16. CRM (Mexico Division) revenue based on year-to-date revenue as disclosed in transaction announcement press release.



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Deal Value: \$270 million • >\$2B expansion of precision machining SAM • Revenue profile includes growing markets outside of Semis as well as recurring revenue Accretive to gross margins; provided

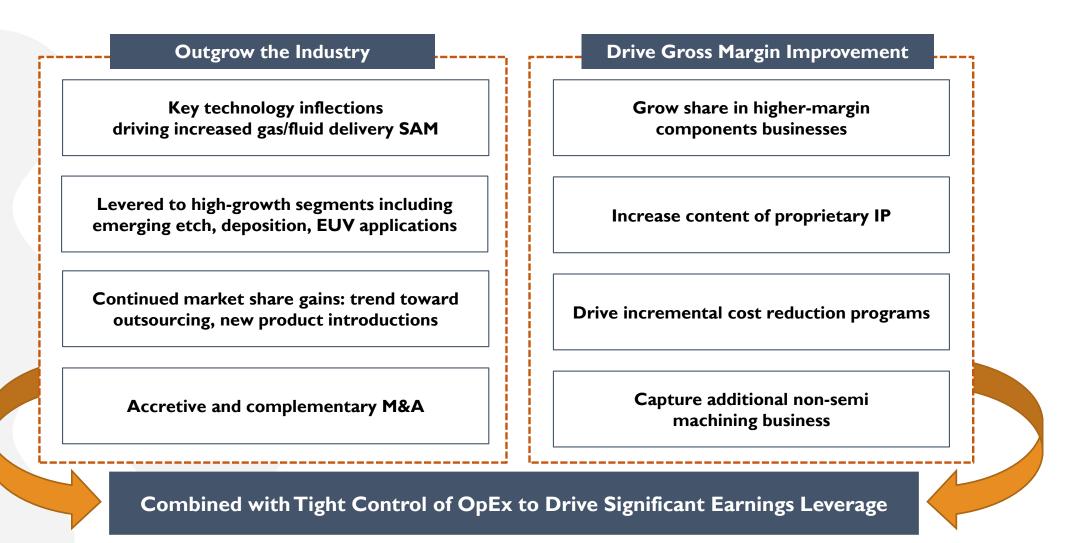
approximately 7% of Ichor's 17% YoY revenue growth in 2022

# **Strategic Worldwide Manufacturing Footprint**





# **Key Financial Strategies: Outgrow WFE and Drive Strong GM Flow-Through**

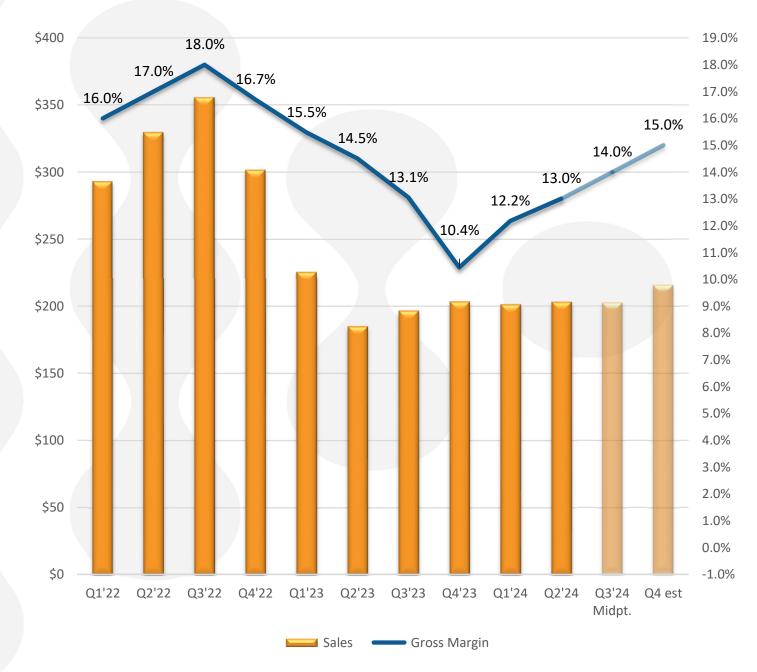


Along with Capital-Efficient Business Model to Drive Significant Free Cash Flow





# **Expect Return to Growth After Prolonged Downturn for Process Equipment**



- Visibility Strengthening for Sequential Growth Expected for Q4 2024
- Steadily Improving GM Performance on Similar **Revenue Volumes Over Past Year**
- Record of Growing Earnings Faster than Revenue Growth as Industry Recovery Accelerates
- Significantly Reduced Debt Position
- Strong Capital Position
- Expect GM Flow-Through Model of ~25% (Incremental GM) in 2024 and Beyond
- Improving Outlook for Industry Demand in 2025

Note: Midpoint of Q3'24 guidance provided as of August 6, 2024. Q4 est reflects consensus analyst estimates as of August 7, 2024. Non-GAAP gross margin reconciliation contained in Appendix.



# **Target Model with Significant Operating Leverage**

Increased R&D Investment in Proprietary Products Driving Slight Adjustments in Target Model

	Annu	al Results	(Non-GA/	<b>AP)</b> <sup>(1)</sup>	
	2020	2021	2022	2023	Target Model
Gross Margin	15%	17%	17%	١3%	20%+
<b>Operating Expenses</b>	6%	6%	7%	11%	~7%
Operating Margin	8%	11%	10%	3%	13%+
EBITDA Margin	9%	12%	11%	5%	14%+
Net Margin	7%	9%	8%	2%	12%+

(1) See Appendix for reconciliations of GAAP to Non-GAAP financial measures.





# Appendix



Ichor Holdings, Ltd. GAAP to Non-GAAP Reconciliations								Fisca	al Y	ear							202	24	
(in thousands, except per-share amounts)		2016		2017		2018		2019		2020		2021		2022	2023		Q1		Q2
Net sales	<u>\$</u>	405,747	<u>\$</u>	655,892	<u>\$</u>	823,611	<u>\$</u>	620,837	<u>\$</u>	914,236	<u>\$</u>	1,096,917	<u>\$</u>	1,280,069	\$ 811,120	<u>\$</u>	201,383	<u>\$</u>	203,227
GAAP gross profit Non-GAAP adjustments:	\$	65,395	\$	100,761	\$	136,137	\$	86,364	\$	124,892	\$	177,480	\$	211,864	\$ 103,396	\$	22,994	\$	25,557
Share-based compensation		20		118		608		705		991		1,384		2,056	3,130		776		717
Purchase accounting		_		5,230		4,839		—		—		1,652		2,492	_		_		_
Settlement loss		-		_		-		—		1,386		—		_	—		—		—
Facility shutdown costs		-		_		-		—		2,215		2,611		_	—		—		—
Other non-GAAP adjustments		_		1,752		116		129		3,743		106		933	 2,191		748		160
Non-GAAP gross profit	\$	65,415	\$	107,861	\$	141,700	\$	87,198	\$	133,227	\$	183,233	\$	217,345	\$ 108,717	\$	24,518	\$	26,434
Non-GAAP gross margin		16.1%		16.4%		17.2%		14.0%		14.6%	-	16.7%	-	17.0%	13.4%		12.2%		13.0%



Ichor Holdings, Ltd. GAAP to Non-GAAP Reconciliations						Fisca	al Ye	ear						202	24	
(in thousands, except per-share amounts)		2016		2017	2018	2019		2020		2021		2022	2023	Q1		Q2
Net sales	<u>\$</u>	405,747	<u>\$</u>	<u>655,892</u> <u>\$</u>	823,611	\$ 620,837	\$	914,236	<u>\$ 1</u>	1,096,917	\$	1,280,069	\$ 811,120	\$ 201,383	\$	203,227
GAAP operating expenses	\$	41,524	\$	54,581 \$	72,172	\$ 71,387	\$	83,340	\$	96,466	\$	126,041	\$ 114,291	\$ 26,735	\$	27,819
Non-GAAP adjustments:																
Amortization of intangible assets		(7 <i>,</i> 015)		(8 <i>,</i> 880)	(15,369)	(13,015)		(13,365)		(14,918)		(17 <i>,</i> 905)	(14,734)	(2 <i>,</i> 146)		(2 <i>,</i> 086)
Share-based compensation		(3 <i>,</i> 196)		(2,112)	(6,969)	(7,832)		(8,884)		(10,089)		(11,868)	(14,208)	(1 <i>,</i> 599)		(3 <i>,</i> 221)
Facility shutdown costs		_		_	—	—		(248)		(385)		_	—	_		(504)
Settlement loss		_		—	-	_		_		—		(4,146)	—	_		_
Transaction-related costs		_		—	-	_		_		(4,386)		(296)	—	(785)		_
Other non-GAAP adjustments		(2,988)		(6,103)	(1,611)	 (2 <i>,</i> 679)		(3,438)		(392)		(211)	 (107)	 (119)		(69)
Non-GAAP operating expenses	\$	28,325	\$	37,486 \$	48,223	\$ 47,861	\$	57,405	\$	66,296	\$	91,615	\$ 85,242	\$ 22,086	\$	21,939
Non-GAAP operating expenses, % of sales		7.0%		5.7%	5.9%	 7.7%		6.3%		6.0%	-	7.2%	 10.5%	11.0%		10.8%



Ichor Holdings, Ltd. GAAP to Non-GAAP Reconciliations								Fisc	al Y	ear								202	4	
(in thousands, except per-share amounts)		2016		2017	2	2018		2019		2020	2	021		2022		2023		Q1		Q2
Net sales	<u>\$</u>	405,747	<u>\$</u>	655,892	<u>\$</u>	823,611	<u>\$</u>	620,837	<u>\$</u>	914,236	<u>\$ 1,0</u>	96,917	<u>\$</u>	1,280,069	<u>\$</u>	811,120	<u>\$</u>	201,383	\$2	203,227
GAAP operating income (loss)	\$	23,871	\$	46,180	\$	63,965	\$	14,977	\$	41,552	\$	81,014	\$	85,823	\$	(10,895)	\$	(3,741)	\$	(2,262)
Non-GAAP adjustments:																				
Amortization of intangible assets		7,015		8,880		15,369		13,015		13,365		14,918		17,905		14,734		2,146		2,086
Share-based compensation		3,216		2,230		7,577		8 <i>,</i> 537		9 <i>,</i> 875		11,473		13,924		17,338		2,375		3 <i>,</i> 938
Purchase accounting				5,230		4,839		_		—		1,652		2,492		_		—		
Facility shutdown costs		-		_		—		_		2,463		2,996		_		—		_		504
Settlement loss		_		_		—		_		1,386		—		4,146		_		—		—
Acquisition costs		_		_		_		_		_		4,386		296		_		785		—
Other non-GAAP adjustments		2,988		7,855		1,727		2,808		7,181		498		1,144		2,298		867		229
Non-GAAP operating income	<u>\$</u>	37,090	\$	70,375	\$	93,477	\$	39,337	\$	75,822	\$ 1	L16,937	\$	125,730	\$	23,475	\$	2,432	\$	4,495
Non-GAAP operating margin		9.1%		10.7%		11.3%		6.3%		8.3%		10.7%		9.8%		2.9%		1.2%		2.2%



Ichor Holdings, Ltd. GAAP to Non-GAAP Reconciliations						Fisca	l Year					202	24
(in thousands, except per-share amounts)		2016	2017		2018	2019	2020	2021	2022	2023		Q1	Q2
GAAP income tax expense (benefit) Non-GAAP adjustments:	\$	(649)	\$ (13,886	5)\$	(3,664) \$	6,454)	\$ (988)	\$ 2,857	\$ 2,526	5 \$ 11,9(	7 \$	913	\$     942
Tax adjustments related to non-GAAP adjustments Tax benefit from acquisitions		131 2,271	626 7,582		8,203	6,743 —	8,507 —	9,861 —	7,848	. ,	8)	(104)	(174)
Tax benefit from re-characterizing intercompany debt to equity Tax benefit (expense) from valuation allowance			1,627		— 4,140	_	_	_		14.4 0	_	_	_
Tax impact from tax law change		<u> </u>			4,140					· (11,0:			
Non-GAAP adjustments to GAAP income tax expense (benefit)		2,402	15,746	<u> </u>	12,343	6,743	8,507	9,861	7,848	(20,8	2)	(104)	(174)
Non-GAAP income tax expense Non-GAAP effective tax rate	<u>\$</u>	1,753 <u>5</u> .3%	5 1,860 2.89		8,679 \$ 10.4%	289 1.0%	\$       7,519 11.3%	<u>\$ 12,718</u> 11.5%			5) <u>\$</u> %	809 -42.5%	\$ 768 29.7%



Ichor Holdings, Ltd. GAAP to Non-GAAP Reconciliations								Fisc	al Y	ear							202	4	
(in thousands, except per-share amounts)		2016		2017		2018		2019		2020		2021	2022		2023		Q1		Q2
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GAAP net income (loss)	\$	20,779	\$	56,915	\$	57,883	\$	10,729	\$	33,279	\$	70,899	\$ 72,804	\$	(42,985)	\$	(8,989)	\$	(5,112)
Non-GAAP adjustments:																			
Amortization of intangible assets		7,015		8,880		15,369		13,015		13,365		14,918	17,905		14,734		2,146		2,086
Share-based compensation		3,216		2,230		7,577		8,537		9,875		11,473	13,924		17,338		2,375		3 <i>,</i> 938
Purchase accounting		_		5,230		4,839		_		_		1,652	2,492		_		_		_
Facility shutdown costs		-		_		-		_		2,463		2,996	_		_		_		504
Settlement loss		-		_				_		1,386		_	4,146		_		_		_
Acquisition costs		-		_		—		_		_		4,386	296		_		785		_
Other non-GAAP adjustments		2,988		7,855		1,727		2,808		7,181		498	1,144		2,298		867		229
Loss on extinguishment of debt		_		_		_		_		_		737	_		_		_		_
Gain on investment		_		(304)				_		_		_	_		_		_		_
Non-GAAP adjustments to GAAP income tax expense (benefit)		(2,402)		(15,746)		(12,343)		(6,743)		(8 <i>,</i> 507)		(9,861)	 (7,848)		20,872		104		174
Non-GAAP net income (loss)	\$	31,596	\$	65,060	\$	75,052	\$	28,346	\$	59,042	\$	97,698	\$ 104,863	\$	12,257	\$	(2,712)	\$	1,819
Non-GAAP net margin		7.8%		9.9%		9.1%		4.6%		6.5%		8.9%	8.2%		1.5%		-1.3%		0.9%
Non-GAAP diluted EPS	\$	1.31	\$	2.48	\$	2.99	\$	1.25	\$	2.52	\$	3.37	\$ 3.62	\$	0.42	\$	(0.09)	\$	0.05
Shares used to compute diluted EPS:		24,189		26,218		25,128		22,767		23,460		28,979	28,963		29,515		30,011		34,044



Ichor Holdings, Ltd. GAAP to Non-GAAP Reconciliations					Fisc	al Y	ear				20	24	
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Non-GAAP net income (loss)	\$	31,596	\$ 65,060	\$ 75,052	\$ 28,346	\$	59,042	\$ 97,698	\$ 104,863	\$ 12,257	\$ (2,712)	\$	1,819
Non-GAAP adjustments: Interest expense	1	4,370	3,277	9,987	10,647		8,727	6,451	11,056	19,379	4,096		1,858
Non-GAAP income tax expense (benefit)		1,753	1,860	8,679	289		7,519	12,718	10,374	(8 <i>,</i> 965)	809		768
Depreciation and non-intangible asset amortization expense		2,482	 3,629	 7,695	 8 <i>,</i> 854		10,881	 11,074	 17,195	 19,843	 5,410		6,037
EBITDA	\$	40,201	\$ 73,826	\$ 101,413	\$ 48,136	\$	86,169	\$ 127,941	\$ 143,488	\$ 42,514	\$ 7,603	\$	10,482
EBITDA margin		9.9%	 11.3%	 12.3%	 7.8%		9.4%	 11.7%	 11.2%	 5.2%	3.8%		5.2%



# ichor

# **NASDAQ: ICHR**



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# Thank you