# **Business Model and Capital Allocation Strategy**

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Executive Vice President
& Chief Financial Officer







Investor Day Virtual

## Business model and capital allocation strategy

#### **ASML**

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Our continued **investments in technology** leadership have created **significant shareholder value** 

Growth in semiconductor end markets and increasing lithography intensity on future nodes fuel demand for our products and services

Based on different market scenarios, we have an opportunity to achieve an annual revenue for 2025 between approximately €24 billion and €30 billion with a gross margin for 2025 between approximately 54% and 56%.

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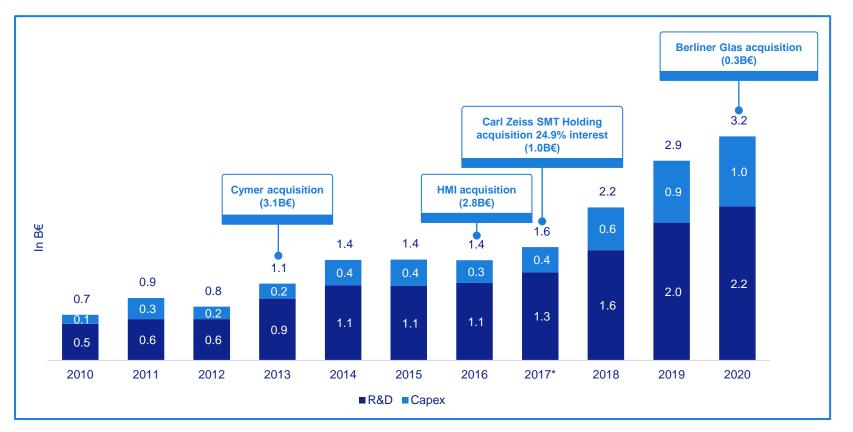
We expect to continue to **return significant amounts of cash** to our shareholders through a combination of **growing dividends and share buybacks** 

Historical shareholder value creation
 Continuing growth
 Continued shareholder value creation

# ASML's technology leadership comes from strategic investments that enable cost-effective innovations for our customers



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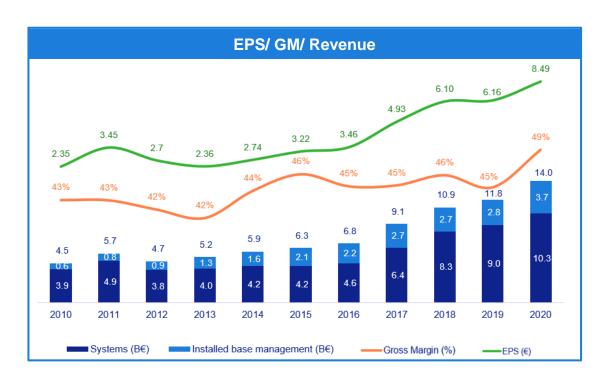
<sup>\*</sup> ASML contribution Zeiss SMT CapEx included as of 2017

# ASML's EPS has grown at a CAGR of 14% driven by system and installed base revenue with improved margins



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- Systems revenue grew at a 10% CAGR since 2010
- Installed Base Management\* grew at a 20% CAGR since 2010 driven by upgrades and service of growing installed base
- Gross Margin amount improved at a 13% CAGR since 2010, reflecting the strength of our DUV and Applications business and progress in EUV profitability
- EPS grew at 14% CAGR since 2010 driven by profitability and share buyback

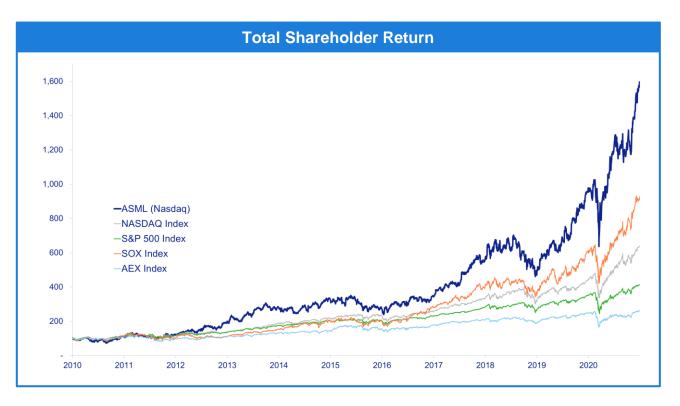


# ASML created significant shareholder value over the past 10 years



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ASML (Nasdaq) Total Shareholder Return annualized compounded TSR 29% versus Nasdaq at 18%



Historical shareholder value creation

Continuing growth
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## Model scenarios Process



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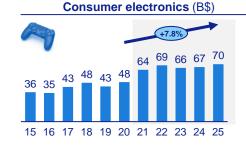


## Semi end markets expected to grow 7% longer-term

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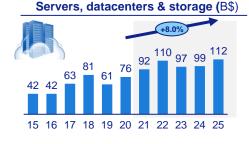
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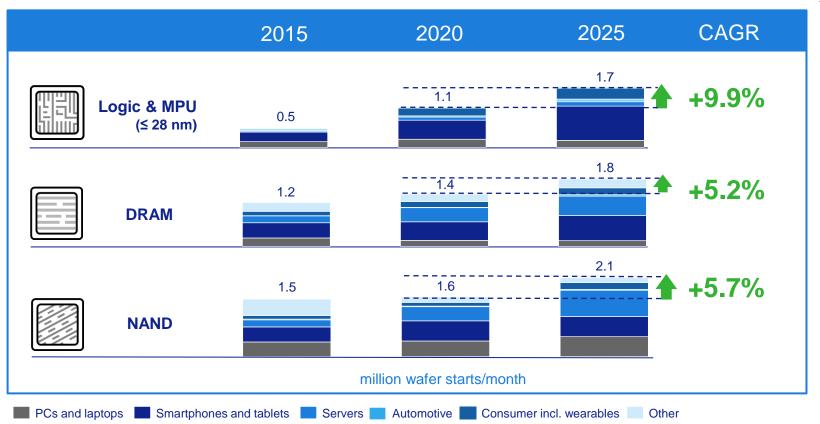


CAGR 2020-2025

## Translating to growth of wafer demand in all segments



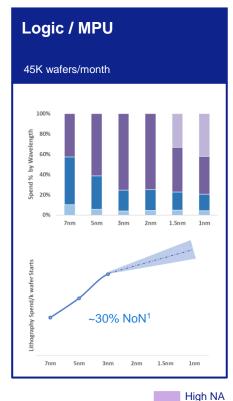
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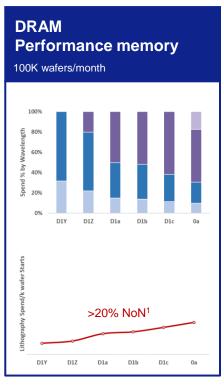


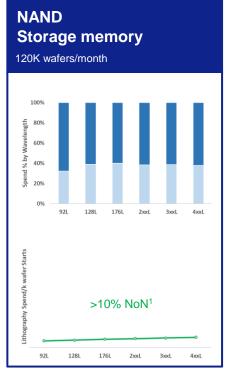
## Lithography spend increasing on future nodes



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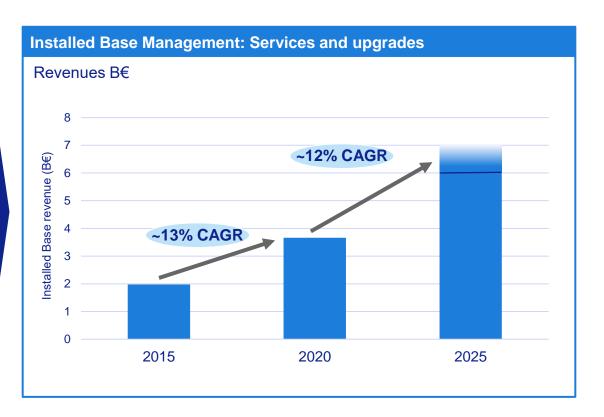
# Installed Base Management\*: growing installed base provides opportunity for growth in service and upgrades



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#### **Growth drivers:**

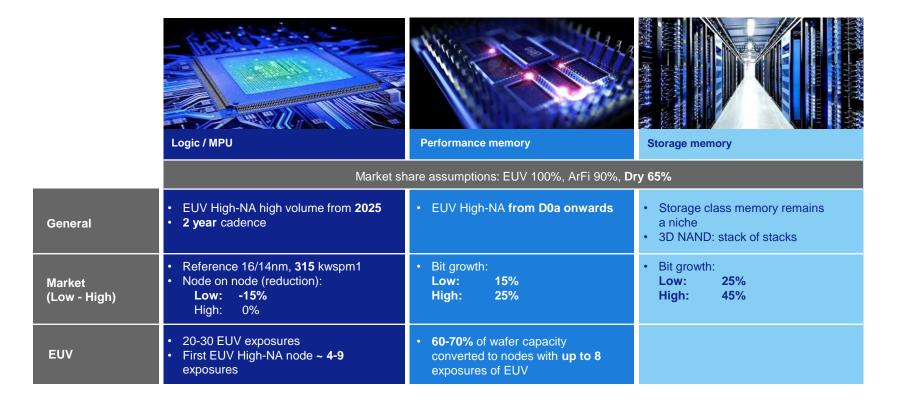
- Growing installed base
- Service: move to valuebased services
- Upgrades: design for extendibility, enabling performance upgrades



## Model assumptions 2025



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## Key challenges\* we face in our industry



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<ul> <li>Geo(political) landscape</li> <li>Technological sovereignty leading to new fabs in more regions</li> <li>Export controls</li> <li>IP protection</li> </ul>	<ul> <li>General</li> <li>End-market growth dynamic</li> <li>War for talent</li> <li>Increasing focus on sustainability</li> </ul>	<ul> <li>ASML</li> <li>Managing execution of technology roadmap</li> <li>Managing ramp in production</li> <li>Managing growth</li> </ul>
<ul> <li>Customers</li> <li>Limited number of customers</li> <li>Sales concentrated among few large customers</li> </ul>	<ul> <li>Suppliers</li> <li>Growing complexity supply chain</li> <li>Increasing investment requirements for suppliers</li> <li>Managing lead times</li> </ul>	<ul><li>Competitors</li><li>Immersion</li><li>Dry</li><li>Metrology + Inspection</li></ul>

In a booming chip market, ASML's challenge is to remain competitive in DUV, ramp 0.33 EUV, execute our 0.55 EUV (High-NA) program and expand the Holistic Litho program opportunities in order to create value for all our stakeholders, while navigating the geopolitical landscape.

# Our updated model goes beyond our high-market scenario from 2018

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#### **ASML modeled Sales in 2025**

2018 high market scenario				
Market demand based on mid EUV insertion				
	Worldwide ur	nits		Sales
High demand	High-NA EUV ArFi Dry	9 55 60 200	Systems Installed Base Management	17.9
	Total	324	Total	24.3

-/	

		UV insertion d on moderate market		
Worldwide	units		Sales	
High-NA EUV ArFi Dry	7 43 40 150	Systems Installed Base Management	13.4 5.9	High insertion
Total	240	Total	19.3	

	Worldwide units		Sales	
Low demand	High-NA EUV ArFi Dry	5 32 35 140	Systems Installed Base Management	10.2 4.8
	Total	212	Total	15.0

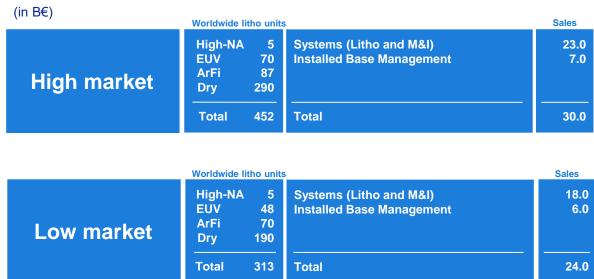
Worldwide	units		Sales	
High-NA EUV ArFi Dry	3 45 40 150	Systems Installed Base Management	12.7 5.8	Low insertion
Total	238	Total	18.5	

# Our simulation model 2025 supports total sales between ~24 B€ (Low market) – ~30 B€ (High market)



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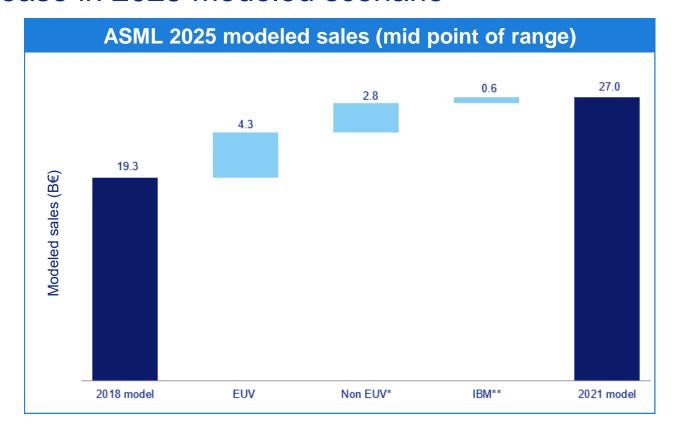
#### **ASML** modeled sales in 2025



# Higher sales across product portfolio translates to increase in 2025 modeled scenario



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## ASML updated financial model



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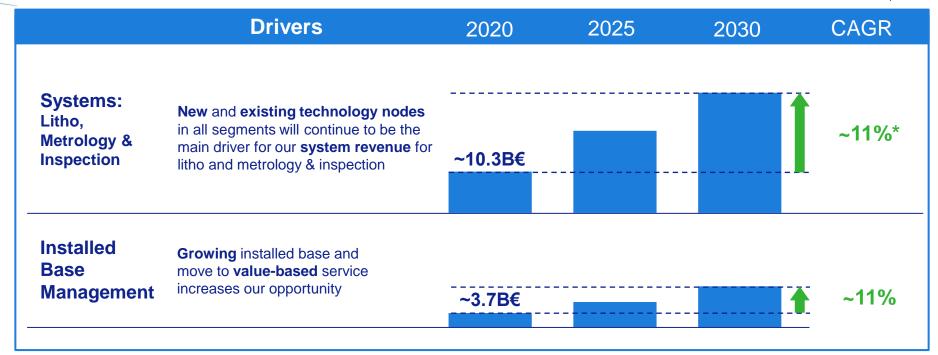
	2020 (Actuals)	2025 (CMD 2018 Ranges)	2025 (Low - High market)
Total sales	14.0B€	~15 - 24B€	~24.0 - 30.0B€
Installed base Management	3.7B€	~5 - 6B€	~6.0 - 7.0B€
System sales	10.3B€	~10 - 18B€	~18.0 - 23.0B€
Gross margin	48.6%	>>50%	~54 - 56%
R&D	16%	~13%	~3.4 - 3.7B€
SG&A	4%	~4%	~1.0B€
СарЕх	7%	~3%	~1.0B€
Cash Conversion Cycle	228 days	<200 days	<200 days
Effective Tax Rate*	14%	~14%	~16%

\* Based on 2021 tax legislation

## Market opportunities support another 10 years of growth

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Source: VLSI Research, with ASML analysis;

Installed Base Management : ASML service and field upgrades sales;

<sup>\*</sup> Assumes litho intensity (litho % of WFE) and litho market share in 2030 similar to 2025;

<sup>\*</sup> Systems revenue CAGR, includes ASML Metrology & Inspection system revenue CAGR 2020-2030 ~15%

# Historical shareholder value creation Continuing growth

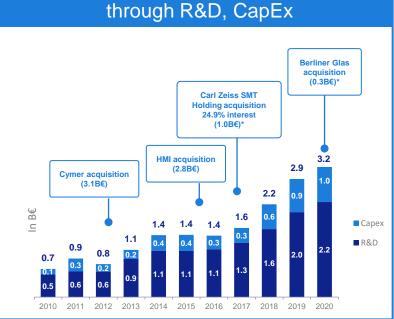
Continued shareholder value creation

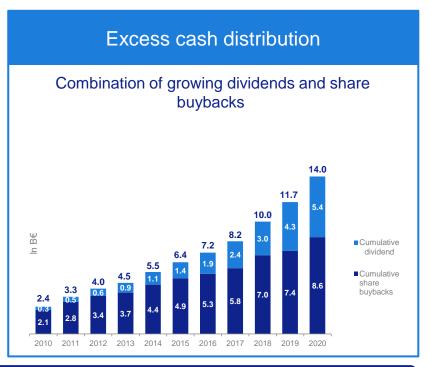
## ASML's capital allocation policy



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#### Maintain a strong and flexible balance sheet

## Business model and capital allocation strategy

#### Key messages



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#### Forward Looking Statements

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This presentation contains statements that are forward-looking, including statements with respect to expected industry and business environment trends including expected growth, outlook and expected financial results, including expected net sales, gross margin, R&D costs, SG&A costs and effective tax rate, annual revenue opportunity for 2025, financial model for 2025 and assumptions and expected growth rates and drivers, expected growth including growth rates 2020-2025 and 2020-2030, total addressable market, growth opportunities beyond 2025 and expected annual growth rate in lithography and metrology and inspection systems and expected annual growth rate in installed base management, expected trends in addressable market up to 2030, expected trends in Logic and Memory revenue opportunities, long term growth opportunities and outlook, expected trends in demand and demand drivers, expected benefits and performance of systems and applications, semiconductor end market trends, expected growth in the semiconductor industry including expected demand growth and capital spend in coming years, expected wafer demand growth and investments in wafer capacity, expected lithography market demand and growth and spend, growth opportunities and drivers, expected trends in EUV and DUV demand, sales, outlook, roadmaps, opportunities and capacity growth and expected EUV adoption, profitability, availability, productivity and output and estimated wafer demand and improvement in value, expected trends in the applications business, expected trends in installed base management including expected revenues and target margins, expected trends and growth opportunity in the applications business, expectations with respect to high-NA, the expectation of increased output capacity. plans, strategies and strategic priorities and direction, expectation to increase capacity, output and production to meet demand, the expectation that Moore's law will continue and Moore's law evolution, product, technology and customer roadmaps, and statements and intentions with respect to capital allocation policy, dividends and share buybacks, including the intention to continue to return significant amounts of cash to shareholders through a combination of share buybacks and growing annualized dividends and statements with respect to ESG commitment, sustainability strategy, targets, initiatives and milestones. You can generally identify these statements by the use of words like "may", "will", "could", "should", "project", "believe", "anticipate", "expect", "plan", "estimate", "forecast", "potential", "intend", "continue", "target", "future", "progress", "goal" and variations of these words or comparable words. These statements are not historical facts, but rather are based on current expectations, estimates, assumptions and projections about our business and our future financial results and readers should not place undue reliance on them. Forward-looking statements do not guarantee future performance and involve a number of substantial known and unknown risks and uncertainties. These risks and uncertainties include, without limitation, economic conditions; product demand and semiconductor equipment industry capacity, worldwide demand and manufacturing capacity utilization for semiconductors, semiconductor end-market trends, the impact of general economic conditions on consumer confidence and demand for our customers' products, performance of our systems, the impact of the COVID-19 outbreak and measures taken to contain it on the global economy and financial markets, as well as on ASML and its customers and suppliers, and other factors that may impact ASML's sales and gross margin, including customer demand and ASML's ability to obtain supplies for its products, the success of R&D programs and technology advances and the pace of new product development and customer acceptance of and demand for new products, production capacity and our ability to increase capacity to meet demand, the number and timing of systems ordered, shipped and recognized in revenue, and the risk of order cancellation or push out, production capacity for our systems including the risk of delays in system production and supply chain capacity, constraints, shortages and disruptions, trends in the semi-conductor industry, our ability to enforce patents and protect intellectual property rights and the outcome of intellectual property disputes and litigation, availability of raw materials, critical manufacturing equipment and qualified employees and trends in labor markets, geopolitical factors, trade environment; import/export and national security regulations and orders and their impact on us, ability to meet sustainability targets, changes in exchange and tax rates, available liquidity and liquidity requirements, our ability to refinance our indebtedness, available cash and distributable reserves for, and other factors impacting, dividend payments and share repurchases, results of the share repurchase programs and other risks indicated in the risk factors included in ASML's Annual Report on Form 20-F for the year ended December 31, 2020 and other filings with and submissions to the US Securities and Exchange Commission. These forward-looking statements are made only as of the date of this document. We undertake no obligation to update any forward-looking statements after the date of this report or to conform such statements to actual results or revised expectations, except as required by law.

# Small Talk 2021

