



Investor Presentation

February 2023

Cautionary Statements

Use of Non-GAAP Adjusted Financial Measures

This presentation provides financial measures that exclude amortization of acquired intangible assets, stock-based compensation expenses, acquisition related expenses, inventory step-up and contingent consideration, revaluation facilities transition costs, acquisition related expenses, expense related to a transaction made by a financial institution without Company authorization, revaluation of operating lease liabilities, amortization of debt discount and issuance costs, tax effect of non-GAAP adjustment and taxes attributed to one-time elective tax settlement, as applicable, and are therefore not calculated in accordance with generally accepted accounting principles (GAAP). Management believes that these non-GAAP financial measures provide meaningful supplemental information regarding Nova's performance because they reflect our operational results and enhance management's and investors' ability to evaluate Nova's performance before charges or benefits considered by management to be outside Nova's ongoing operating results. The presentation of this non-GAAP financial information is not intended to be considered in isolation or as a substitute for the financial information prepared and presented in accordance with GAAP. Management believes that it is in the best interest of its investors to provide financial information that will facilitate comparison of both historical and future results and allow greater transparency to supplemental information used by management in its financial and operational decision making. A reconciliation of each GAAP to non-GAAP financial measure discussed in this presentation is contained in the accompanying financial tables.

Forward-Looking Statements

This presentation contains forward-looking statements within the meaning of safe harbor provisions of the Private Securities Litigation Reform Act of 1995 relating to future events or our future performance, such as statements regarding, but not limited to, anticipated growth opportunities and projections about our business and its future revenues, expenses and profitability. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied in those forward-looking statements.

Factors that may affect our results, performance, circumstances or achievements include, but are not limited to, the following: catastrophic events such as the outbreak of COVID-19; increased information technology security threats and sophisticated computer crime; foreign political and economic risks; changes in global trade policies; inability to protect intellectual property; open source technology exposure; failure to compete effectively or to respond to the rapid technological changes; consolidation in our industry; difficulty to predict the length and strength of any downturn or expansion period of the market we target; risks associated with violations of environmental, safety and health regulations; factors that adversely affect the pricing and demand for our product lines; dependency on a small number of large customers; dependency on a single manufacturing facility per product line; dependency on a limited number of suppliers; difficulty to integrate current or future acquisitions; lengthy sales cycle and customer delays in orders; failures to attract, recruit and retain qualified employees due to intense competition for highly skilled personnel; political, economic, and military instability in Israel; risks related to our convertible notes; currency fluctuations; and quarterly fluctuations in our operating results. We cannot guarantee future results, levels of activity, performance or achievements. The matters discussed in this press release also involve risks and uncertainties summarized under the heading "Risk Factors" in Nova's Annual Report on Form 20-F for the year ended December 31, 2021 filed with the Securities and Exchange Commission on March 1, 2022. These factors are updated from time to time through the filing of reports and registration statements with the Securities and Exchange Commission. Nova Ltd. does not assume any obligation to update the forward-looking information contained in this presentation.

Nova is a leading innovator and a key provider of **metrology** solutions for advanced **process control** used in semiconductor manufacturing



A Trusted Partner

We measure ourselves by our ability to transcend expectations and boundaries

We partner with our customers to craft innovative process control solutions enhanced with unique value

Execute

Dare

Listen

Dream

Innovate

Win

KEY Facts



1993 | Date Founded | Dually Traded



>1100 | Employees



Presence | Israel HQ , Global Offices



>4800 | Active Systems



>200 | Customer Sites



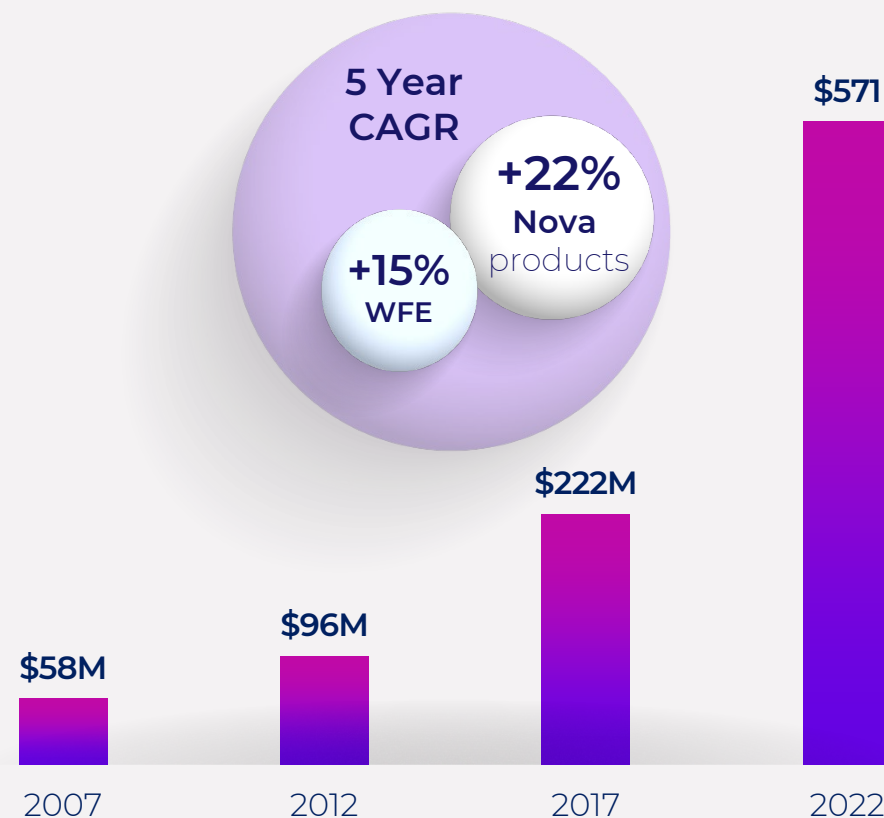
R&D | Israel, USA, Germany

Solid Track Record

- Proven Execution Ability

- Relative Industry Outperformance

- Revenue doubled every 5 years



Wide Metrology coverage

Differentiated portfolio

New organic engines

Diverse technology mix

Diverse customer mix

Diverse territory mix

Nova \$1B Plan (5 Years)

Continuous Outperformance

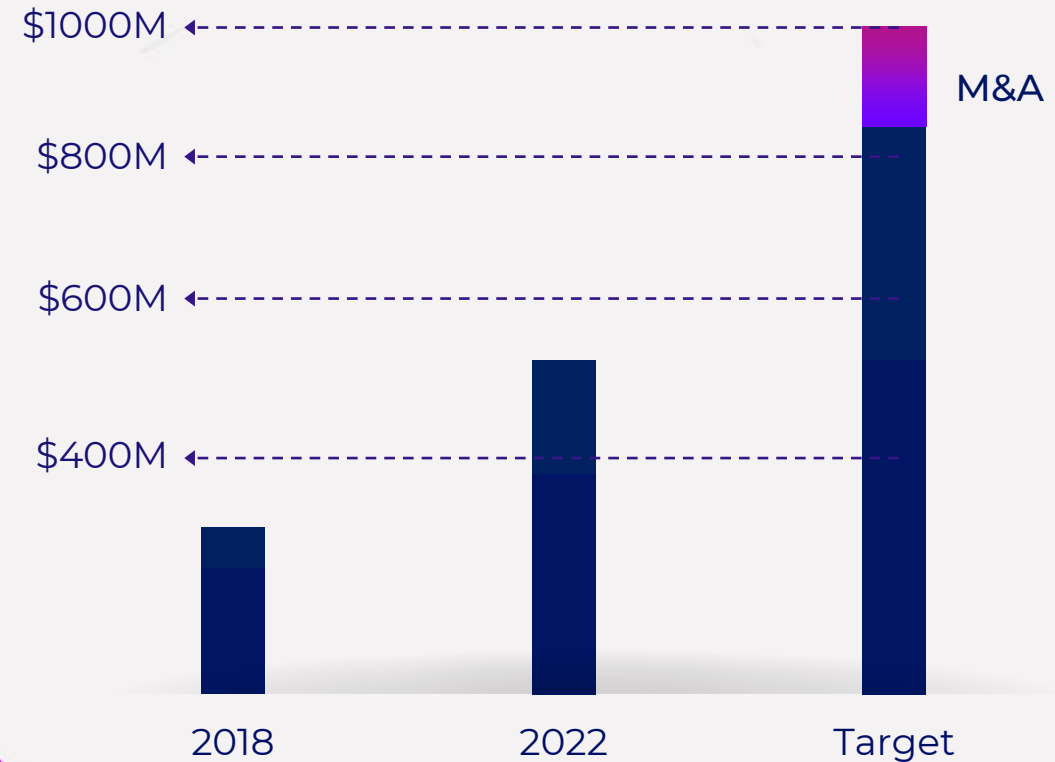
New Technologies Proliferation

Chemical Analysis Growth

Materials Metrology Leadership

Diversified Markets

Further M&A



Financial Target Model

(Organic)

Revenue

\$1B

R&D
Investment

15%-18%

Tax

14%

Gross
Margin

57%-59%

SG&A

13%-15%

Share Count

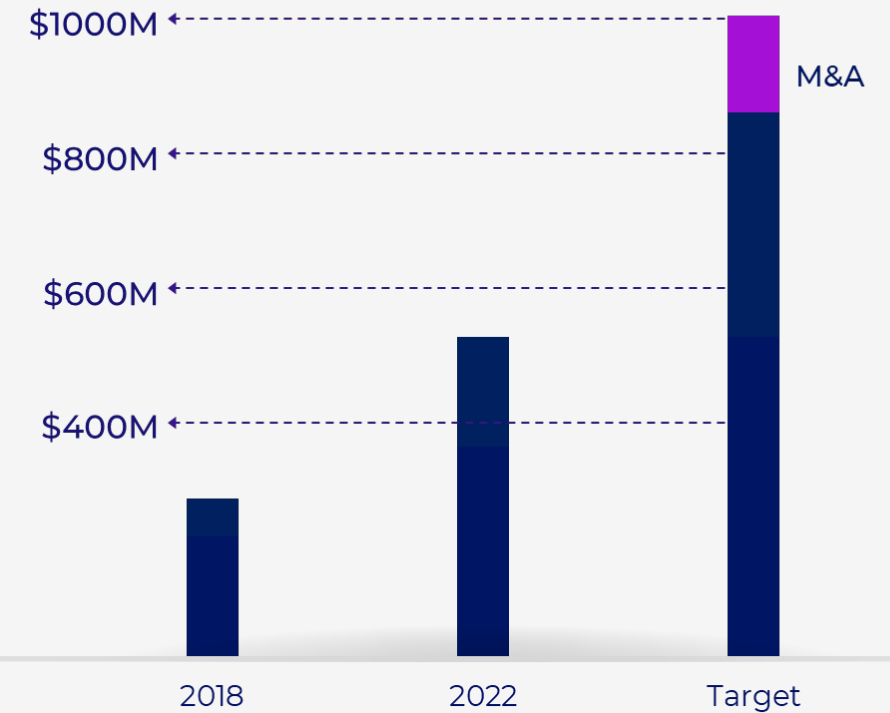
32M

Operating Margin

27%-31%

Earnings

>7\$



Non-GAAP Financials

Semiconductor Industry Eco System

Chip Design (Fabless)



Front End Fabrication



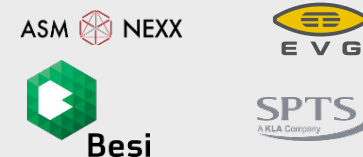
Packaging



Process Control



Process equipment



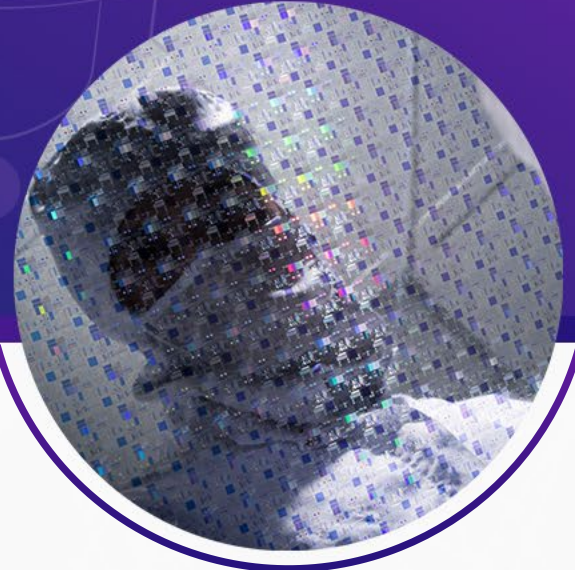
Materials



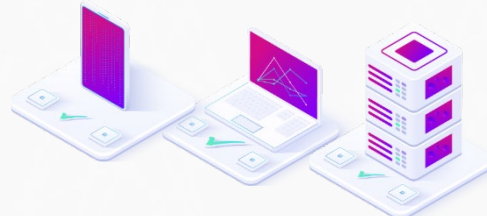
Innovative Technology



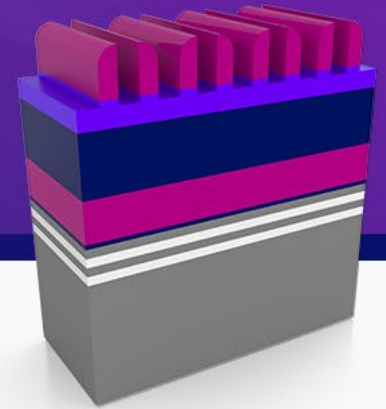
Optical / X-Ray / Chemical



LOGIC • FLASH • DRAM



Semiconductor
Segments



300mm
Wafer

20um
Pad

3nm
Node

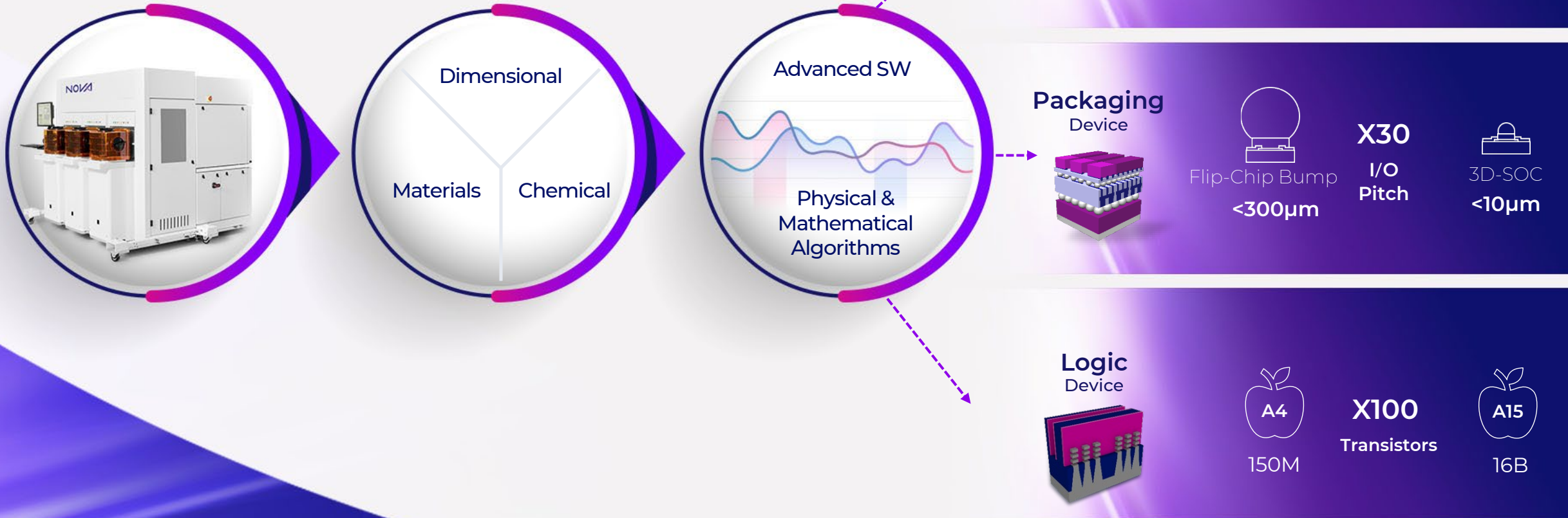
0.5Å
Precision

[One ten-billionth of a meter]

Dimensions / Materials
Parameters

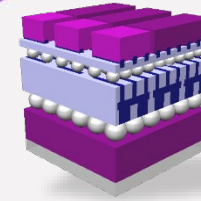
Revealing the Invisible

Actionable Insight, Critical Foresight



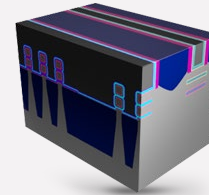
Addressing Multiple Markets

Advanced Packaging



NOVA[®] PROCESS INSIGHT
anco/sys[®]

New Materials



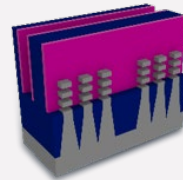
NOVA[®] PROCESS INSIGHT
anco/sys[®]

Vertical Integration



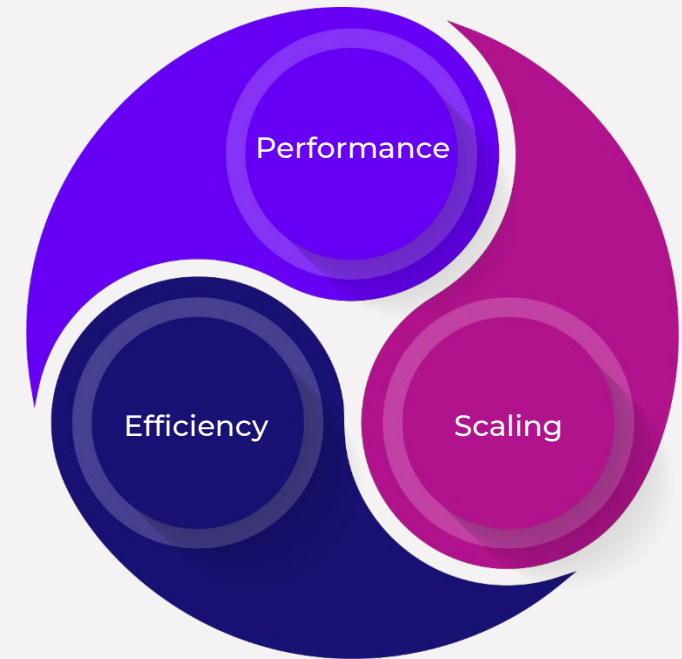
NOVA[®] PROCESS INSIGHT

Device Scaling



NOVA[®] PROCESS INSIGHT

Economics



Rich Metrology Portfolio

Critical Dimensions

Integrated Metrology
Normal & Multi-Channel



Standalone Metrology



Spectral
Interferometry



Inline
SIMS



Inline
Raman



Inline
X-Ray



Chemistry

Front End
Chemistry Analysis



Back End
Chemistry Analysis



Backend
Chemistry
Replenishment



PCB Chemical
Analysis



Physical
Modeling



Machine
Learning



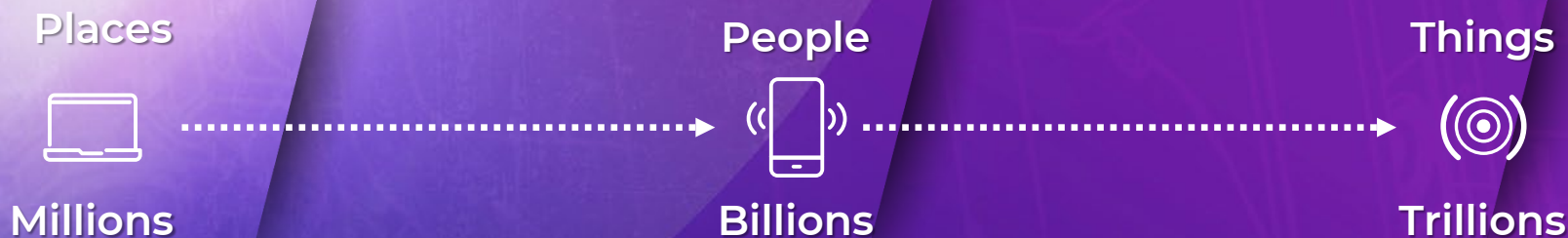
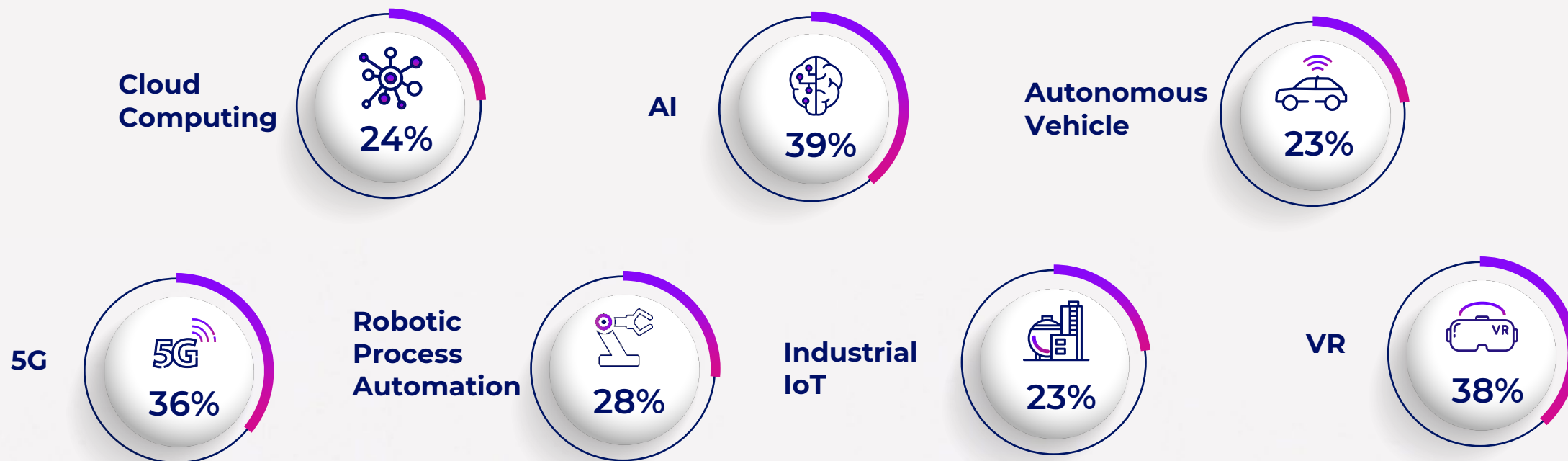
Big Data
Management

Core Technology

Disruptive Technology

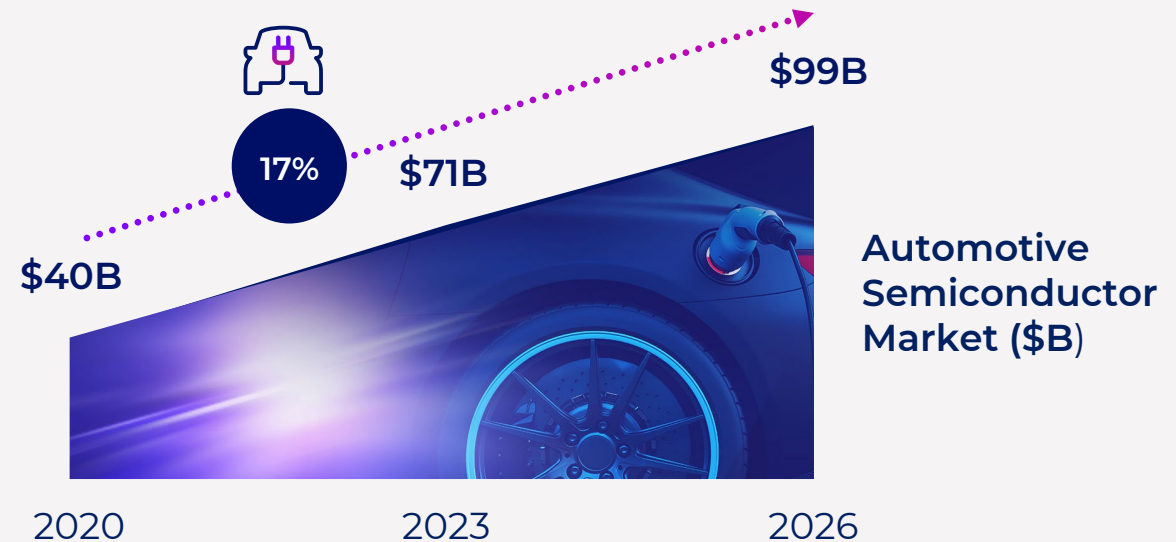


Multiple Demand Catalysts at Double-Digit CAGR



Automotive Exponential Growth

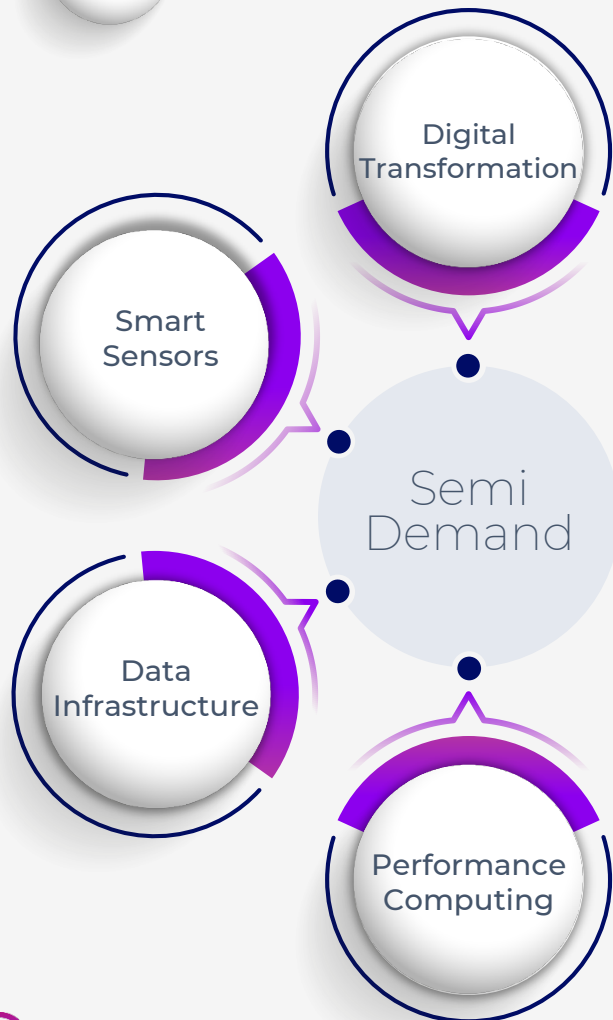
Electrification and autonomous trends are key drivers



Source: McKinsey, Gartner

Fundamental Drivers in Cyclical Environment

1 Multiple Tech Drivers



2 Disruptive Investment

Investment across broad range of IC Devices

Technology transitions to support performance demand

Resume normal scaling cycles (EUV) Below 7nm

Demand for increased content in advanced devices

Geo-centric strategy drives diverse geographical investment

Synergy between industry segments drives need for better process control

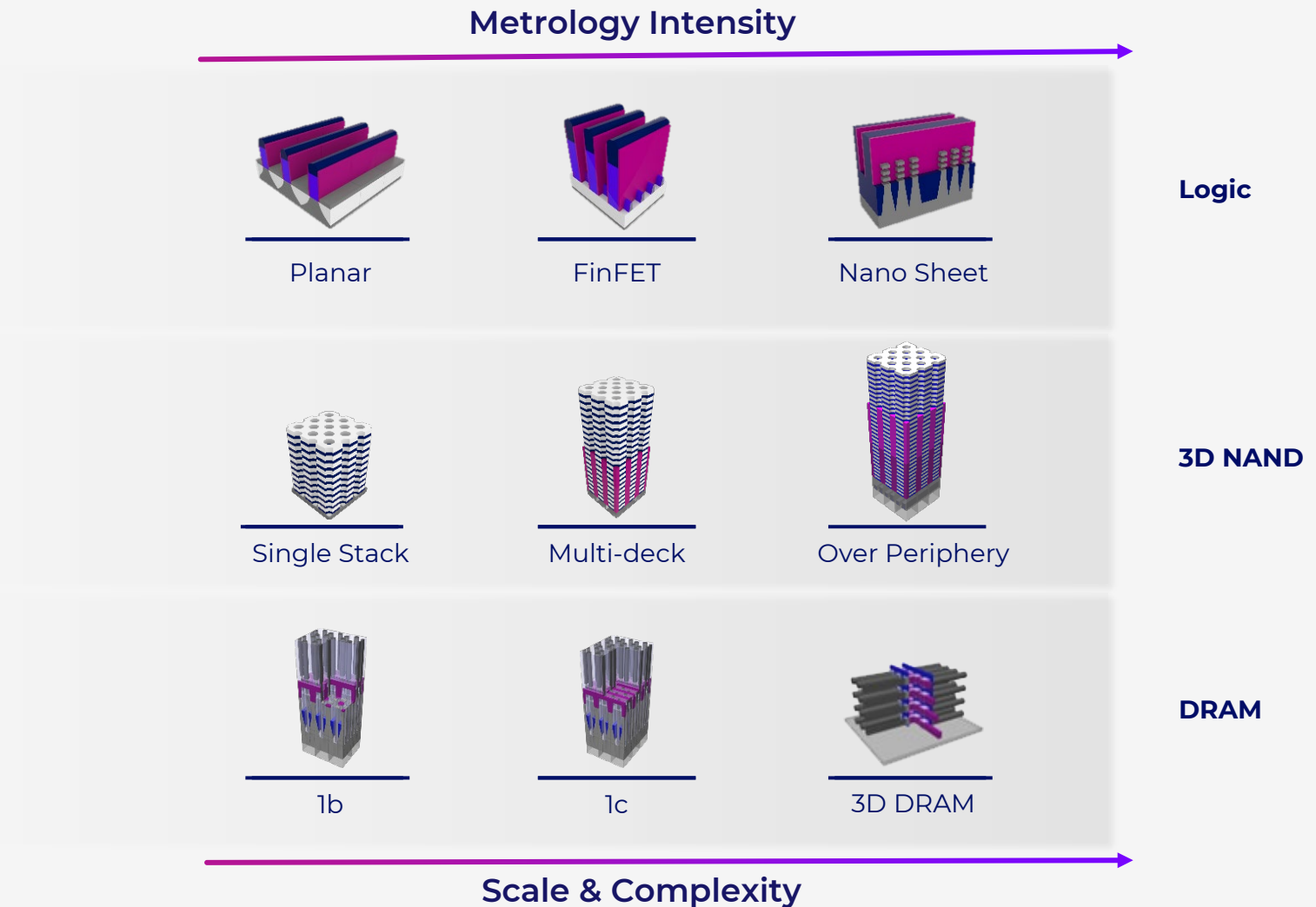
3 Technology Avenues



Dimensional Metrology Intensity

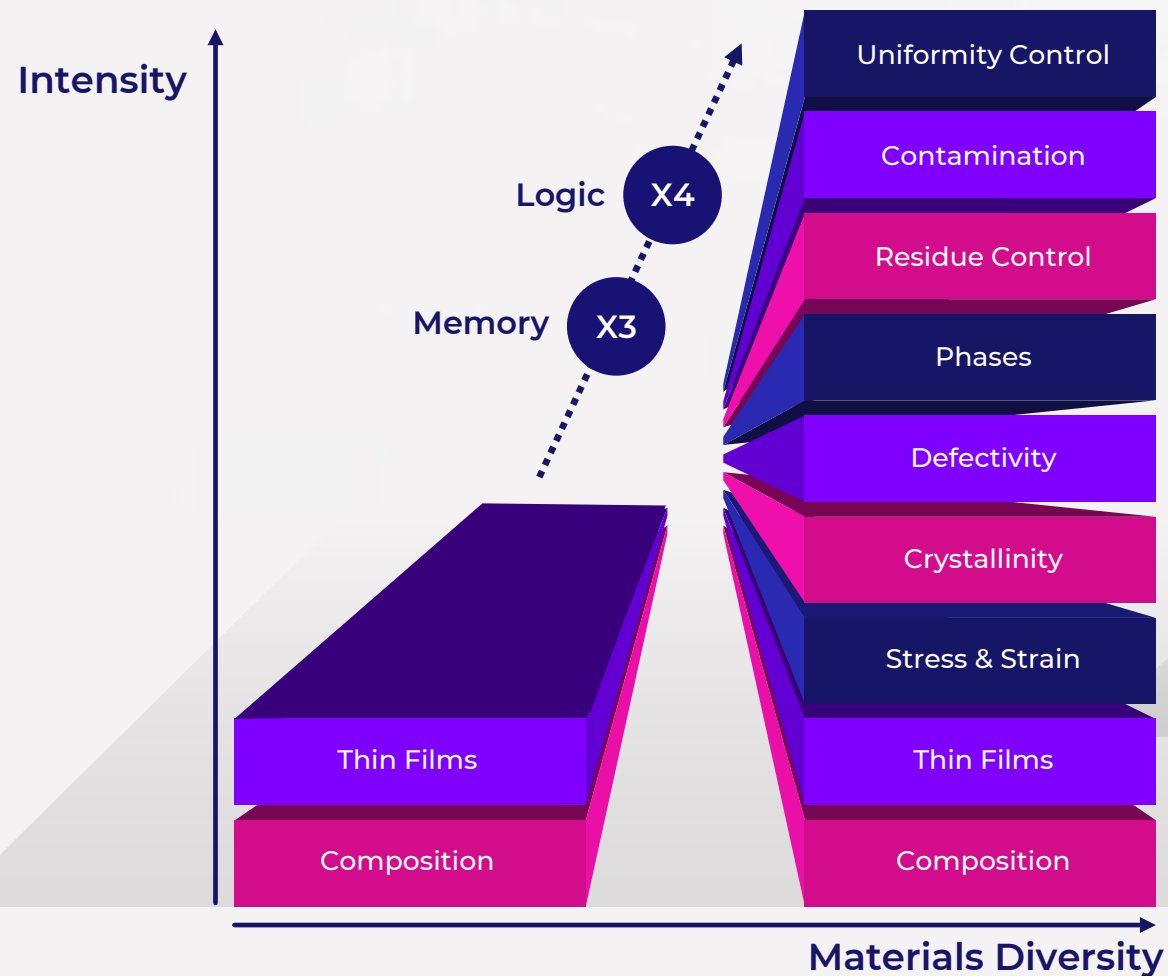
- Scaled Devices
- 3D Profiles
- Multiple Design Steps
- Films Variety
- Intricate Architecture

Scale & Complexity = Growing Demand Growth in Design Steps



Materials Metrology Intensity

From 20 to 90 Steps

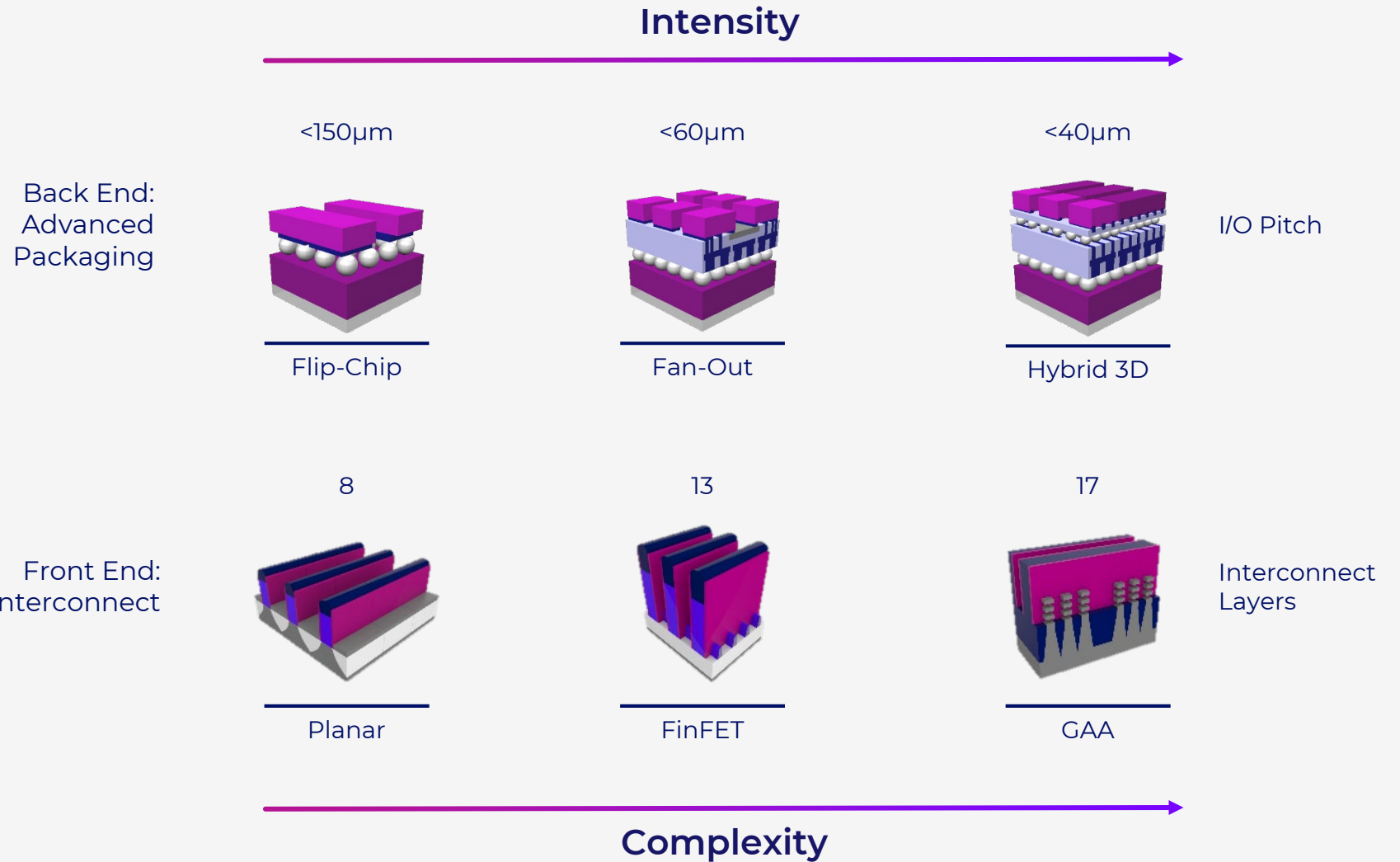


Broader Metrology Scope

H	Past 21																Present 62										He
Li	Be																	B	C	N	O	F	Ne				
Na	Mg																	Al	Si	P	S	Cl	Ar				
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr										
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe										
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn										
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og										
			Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu											
			Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr											

Chemical Metrology Intensity

Complexity, Scale & New Chemicals



Complexity

New materials

New chemistries

Stability and purity

Tighter process control

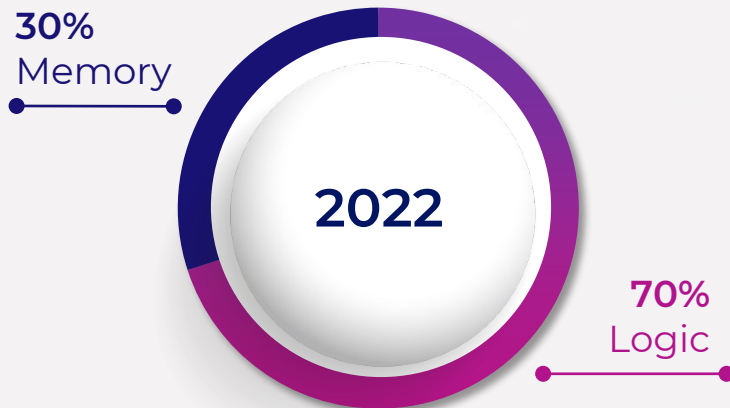
Why Do We **PREVAIL**?

Increasing Market Share while Expanding TAM



Balanced Exposure

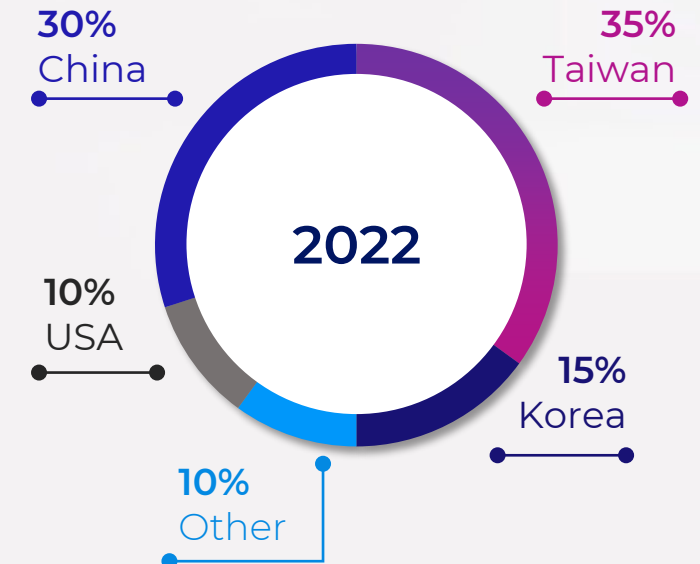
Segments



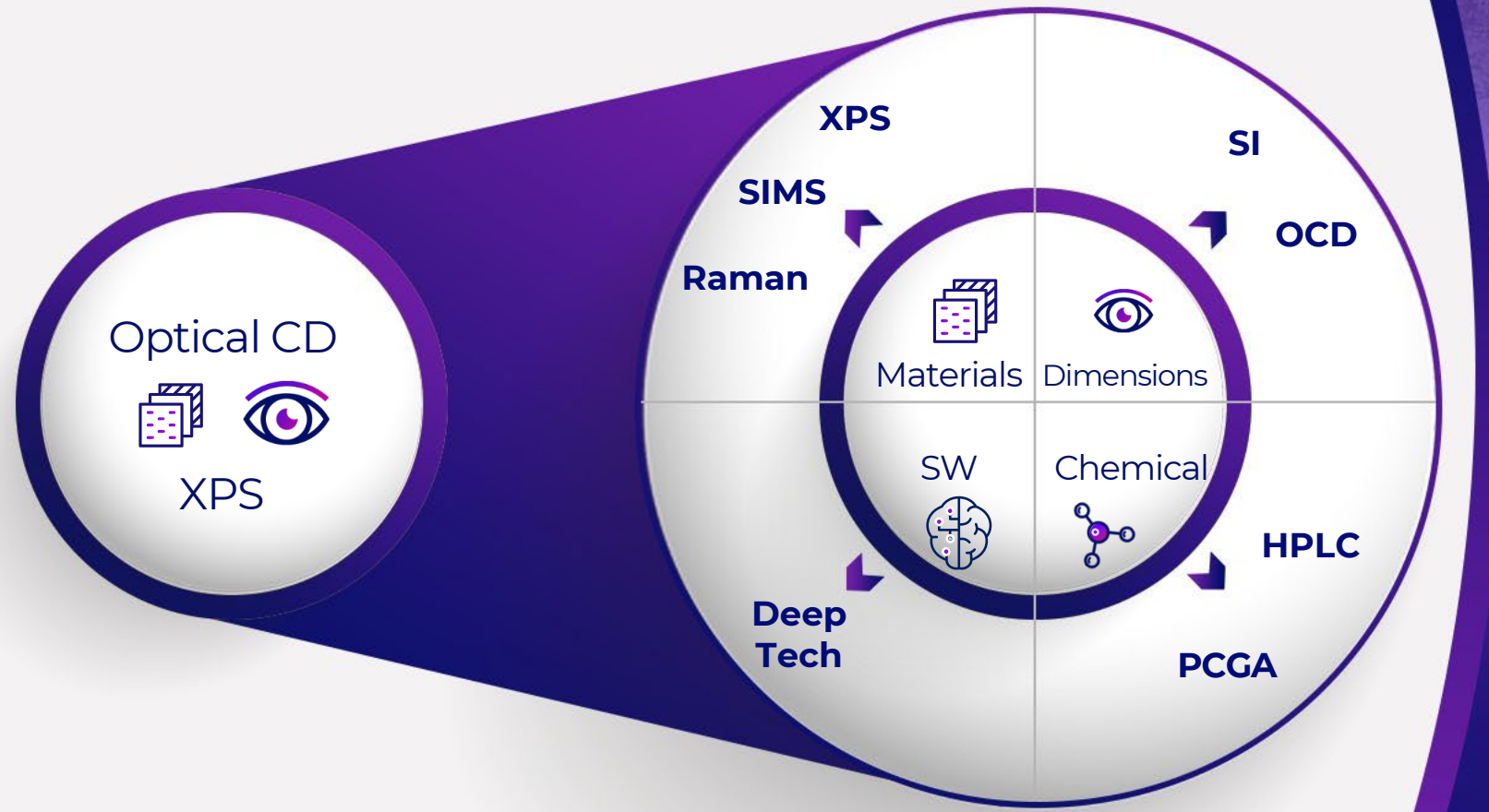
Nodes



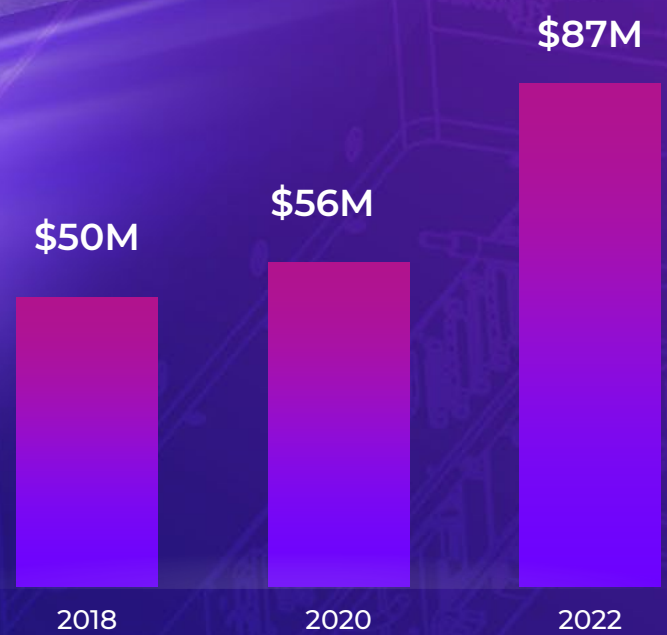
Geographies



Diversifying Product Offering



R&D Investment



Organic Growth Engines



Differentiated Technology

Innovative Metrology
Raman, SIMS and Chemical Hybridization



Physical and ML Algorithms

Data-Driven Solutions
Training and Prediction Capabilities



Service Revenue

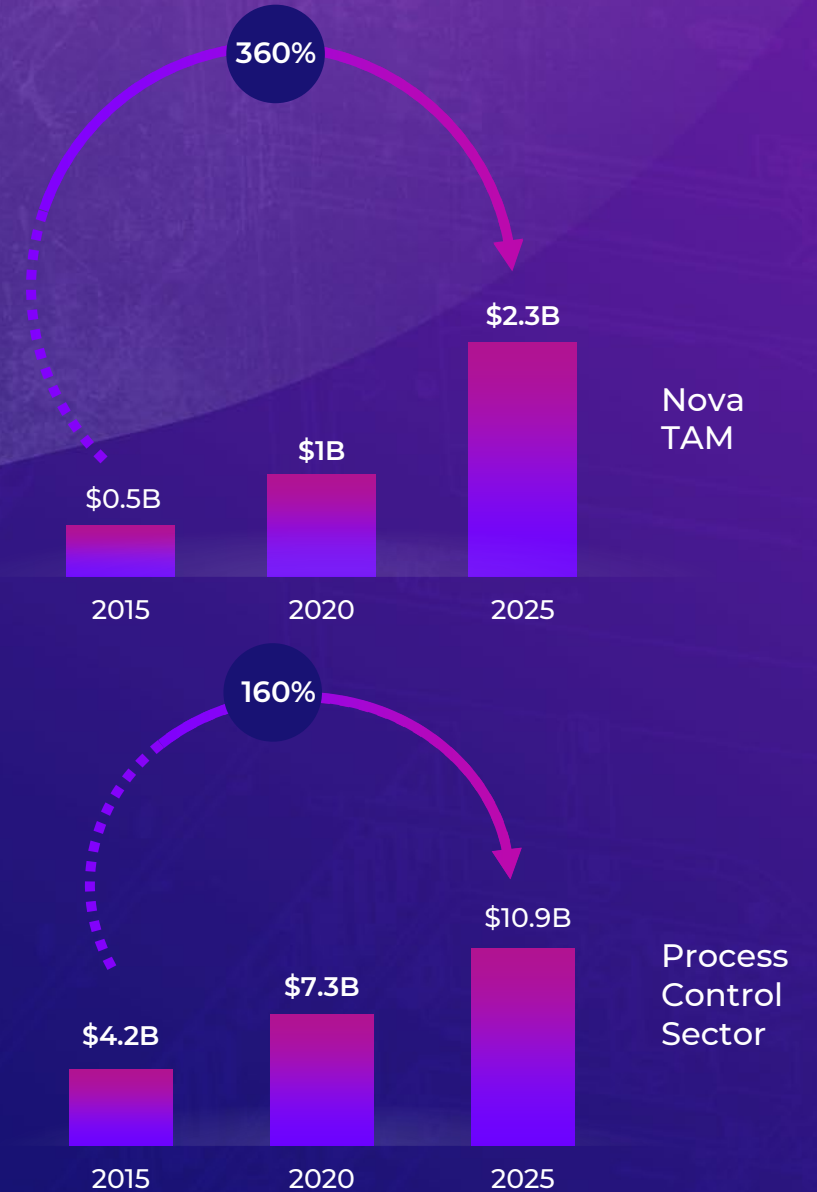
Extendibility & Enhancement
Value Added Services



Research Technologies

LAB to FAB

TAM Growth



Service Revenue Engine

Expecting Double Digit Growth of Service Business in Coming Years



Non-GAAP Financials

Inorganic Approach

Search Guidelines



Early Access

Lab to Fab Technology



Materials

Leadership



Software Offering

Enhancement



Adjacent

Process Control Markets

Screening Elements

Top Line
Synergy

Complementary
Technology

Operational
Leverage (Accretion)

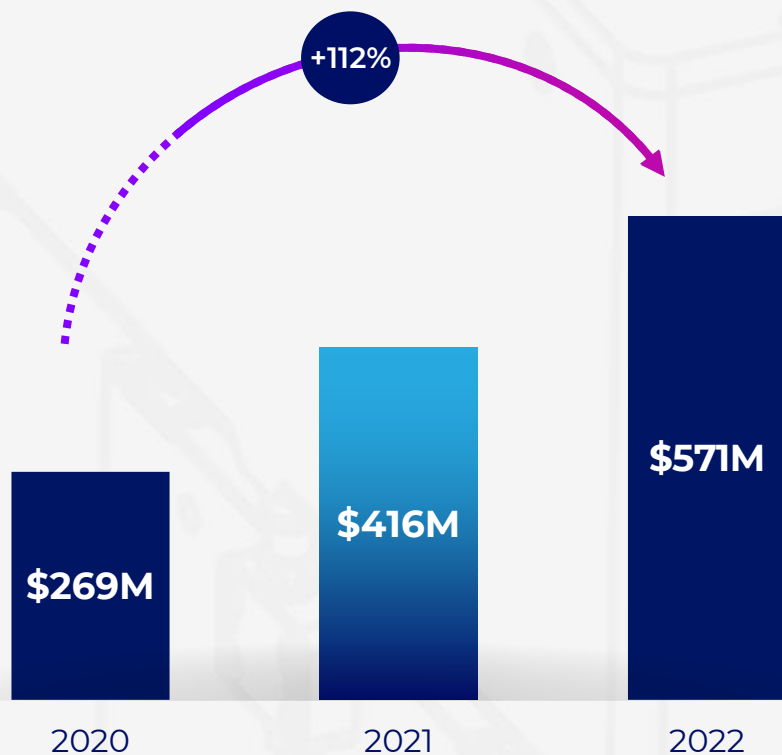
Diversification Within
Core Capabilities

Transformational

Financial Performance

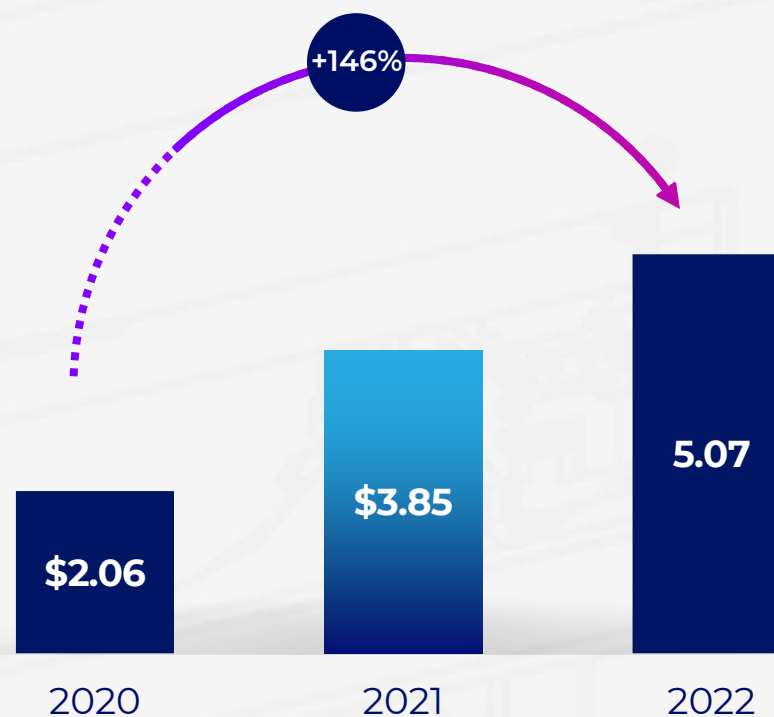
Annual Results

Continuous Revenue Growth



Non-GAAP Financials

Earnings Per Share (Non-GAAP)



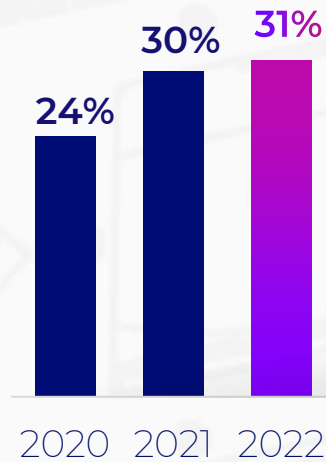
Non-GAAP Financials

NOVA

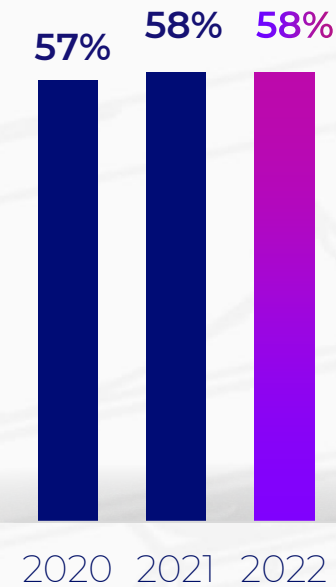
Financial Performance

Annual Results

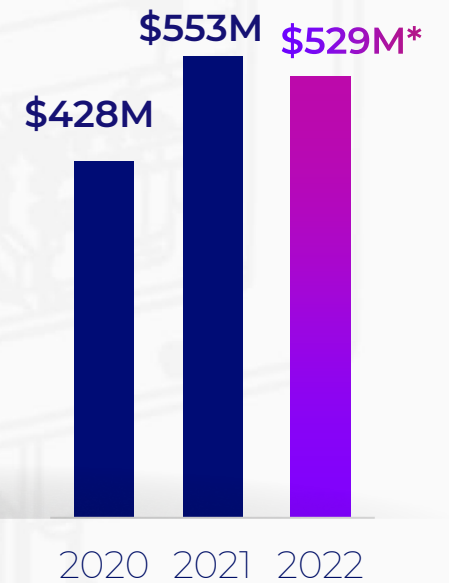
Operating Margin



Gross Margin



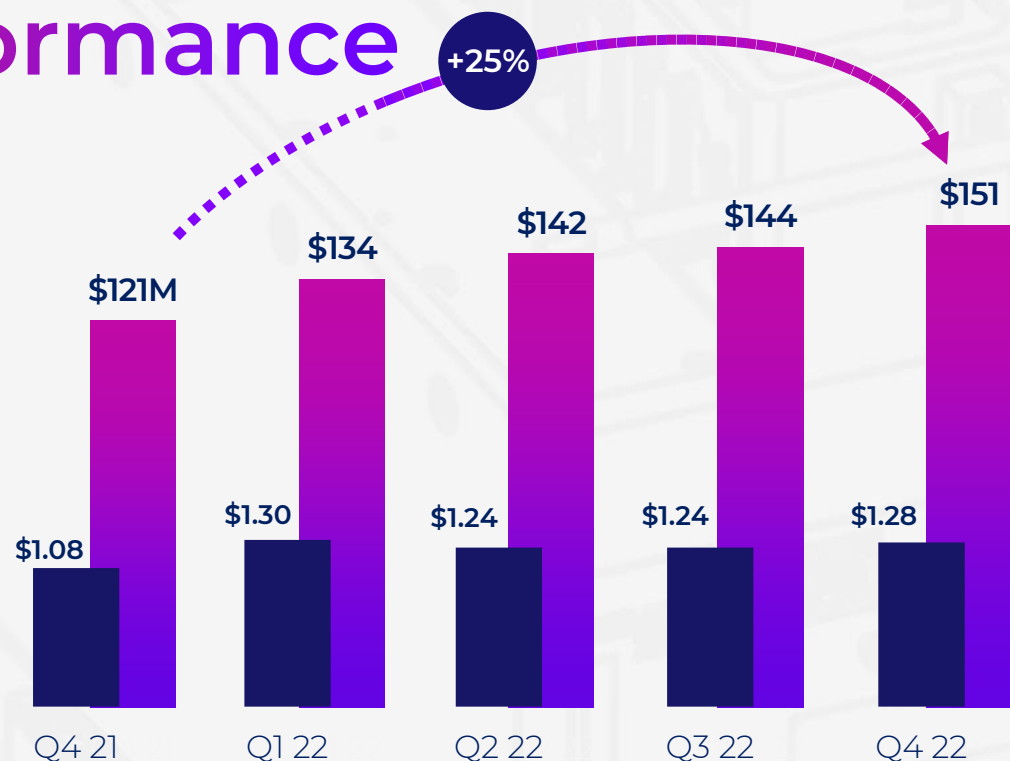
Cash Reserves



Non-GAAP Financials

*After acquisition of ancosys for ~\$90M

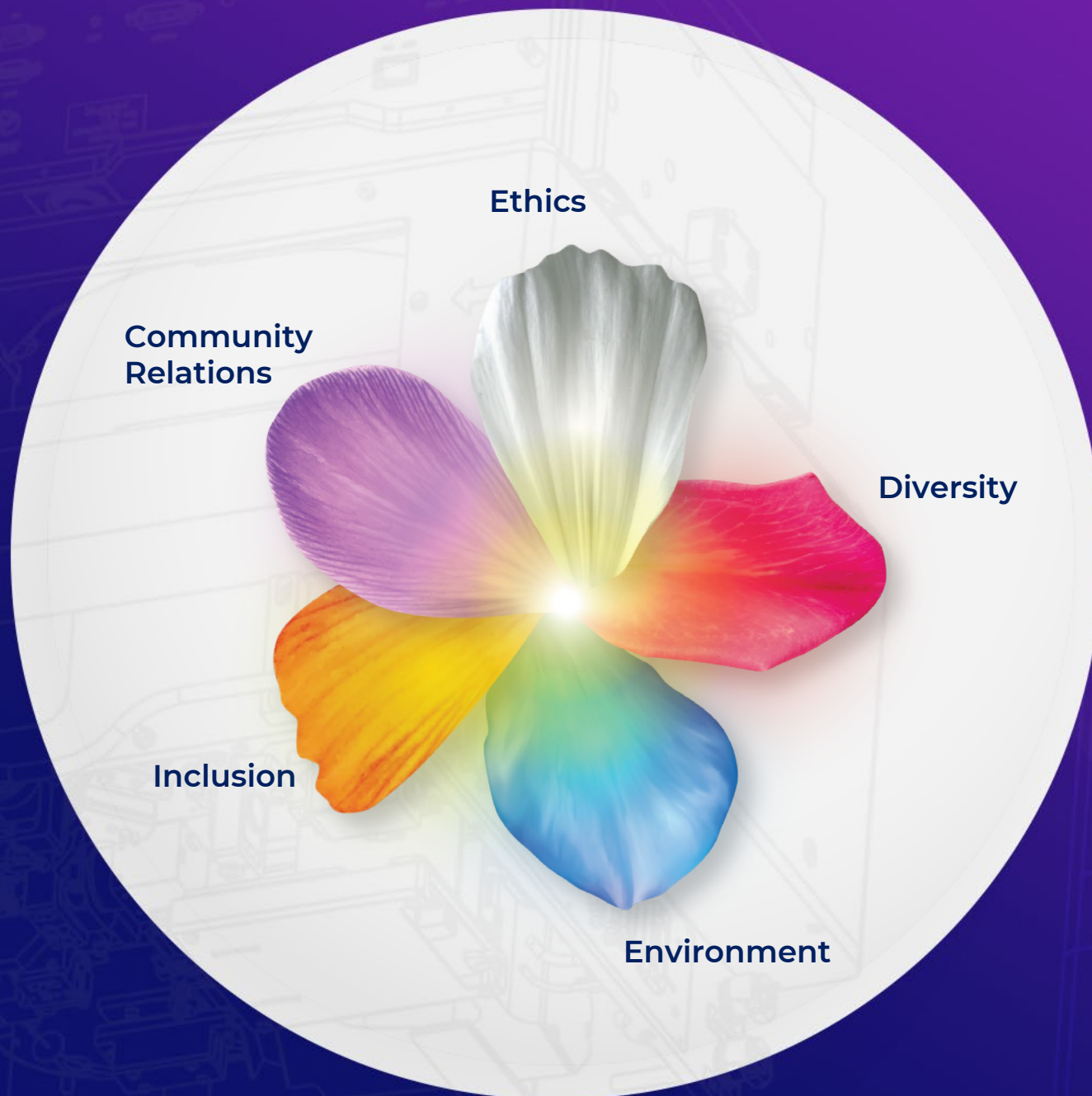
Quarterly Performance



Company Guidance	Revenue	EPS
Q1 2023	\$125M-\$135M	\$0.77-\$0.98 (GAAP)
		\$0.93-\$1.14 (non-GAAP)

- Record annual product sales across all divisions
- The proliferation of most advanced product portfolio;
- Chemical meteorology penetration to leading front-end customers
- \$100M in Service Revenues

ESG



Encourage workforce diversity

Support Youth at Risk

Responsible & Ethical supply chain management

Optimize waste management and energy consumption

Sustainable facilities across the globe

Key Takeaways

Positioned for Continuous Growth



Growing demand for IC drives capacity & Increasing complexity

Increasing need for advanced metrology solutions



Unique and disruptive technology portfolio

Driving a stronger position and expanding TAM



Solid operational model

Supports clear strategy for growth



Proven performance towards Nova500

Outperforming the Industry



Cultural elevation with new CSR strategy

Combining business ethics with culture and social consciousness

Financial Target Model

Sales

1B\$

Gross Margin

57%-59%

Operating Margin

27%-31%

Non-GAAP Financials



Thank You
