



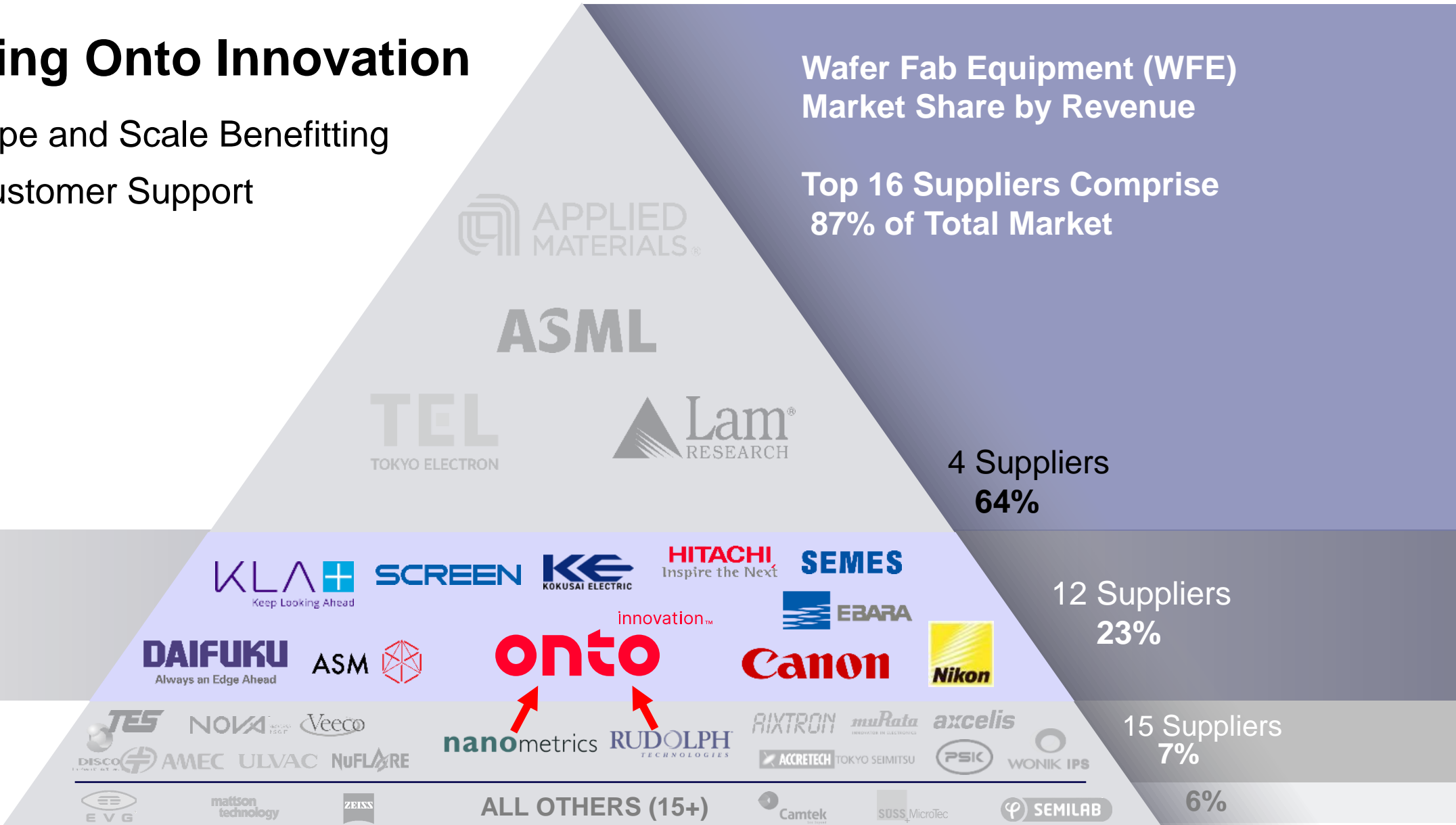
NANO/RTEC Merger Rationale

Nanometrics and Rudolph Technologies merged on October 25, 2019 to form Onto Innovation

SEPTEMBER 2020

Introducing Onto Innovation

Greater Scope and Scale Benefitting
R&D and Customer Support



Source: Company Rank Order based on 2019 Share of Total WFE Revenue, Gartner Market Share Data, May 2020

Compelling Combination that Creates Increased Value to Shareholders and Customers

**Top 4 US Wafer
Fab Equipment
Supplier**

**Increased
Global Scale:
Sales &
Customer
Support**

**Highly
Complementary
Product
Diversity**

**Diversification
of Served
Markets (SAM)**

**Innovation
Synergies
Leveraging
Optics &
Software**

Merging Two Companies with Strong Financials & Complementary Capabilities

nanometrics

RUDOLPH
TECHNOLOGIES

Merged Companies*

2018 Revenue

\$325M

\$274M

\$599M

**2018 Adjusted
Net Earnings**

21%

19%

23%

**Intellectual
Property**

122 US Patents

171 US Patents

293 US Patents

**Core Capabilities:
Software**

Advanced Modeling
Algorithms

Deep Learning Algorithms

Advanced Process Control

**Core Capabilities:
Optics**

Micro Ultraviolet Optics

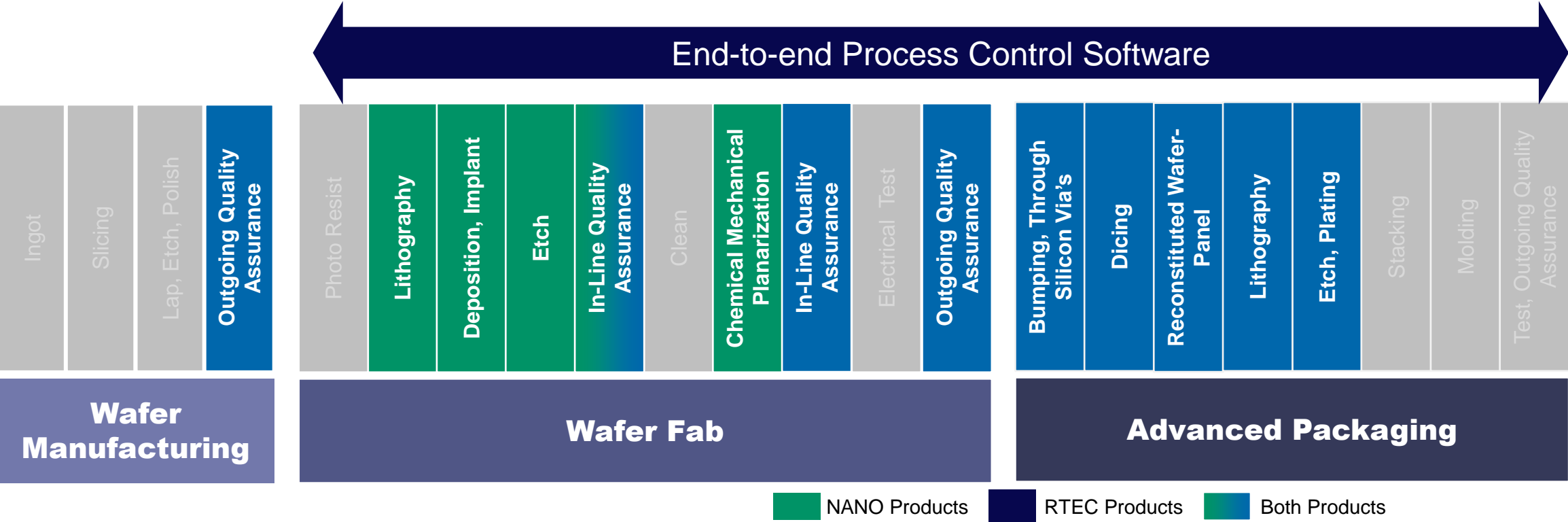
Macro and Lithography
Visible Light Optics

Broad Optics Portfolio

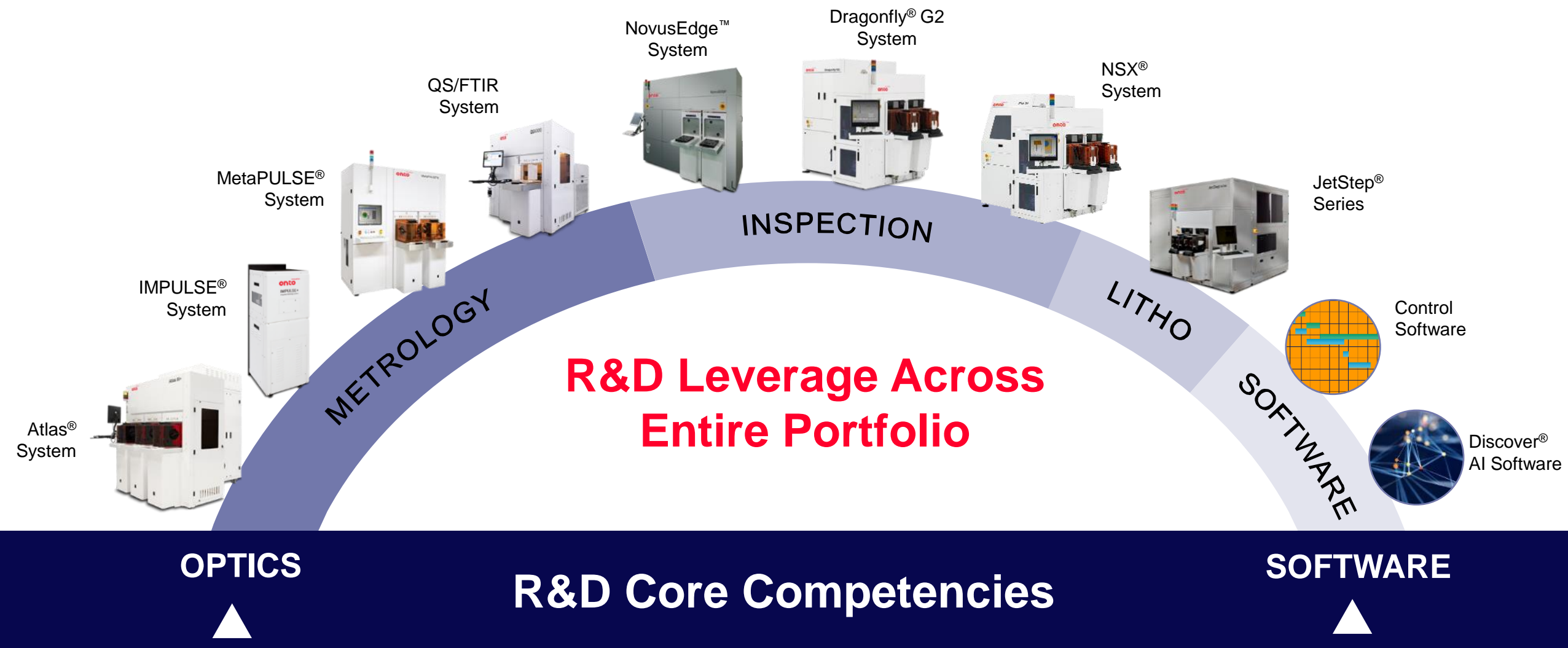
* 2018 results exclude stock based compensation, acquisition cost, if applicable, and amortization for each Company.
Pro forma results reflect the impact of \$20M in synergies applied to the 2018 non-GAAP results.

Complementary Products: Throughout the Entire Semiconductor Process

- Nanometrics-Rudolph Combination Increases Touches Across Value Chain
- End-to-End Diversification of Products and Revenue
- Increased Software Suite Provides Smart Manufacturing



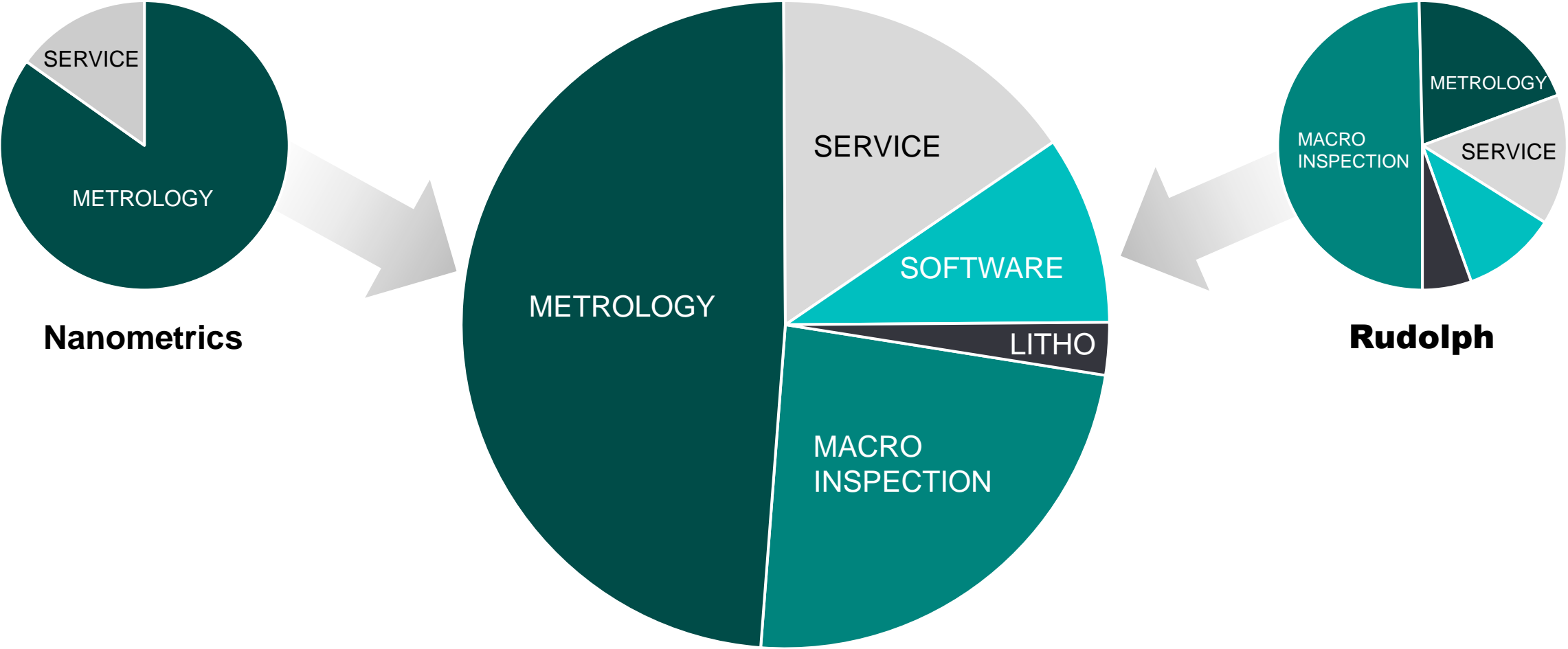
Complementary Products, No Overlap



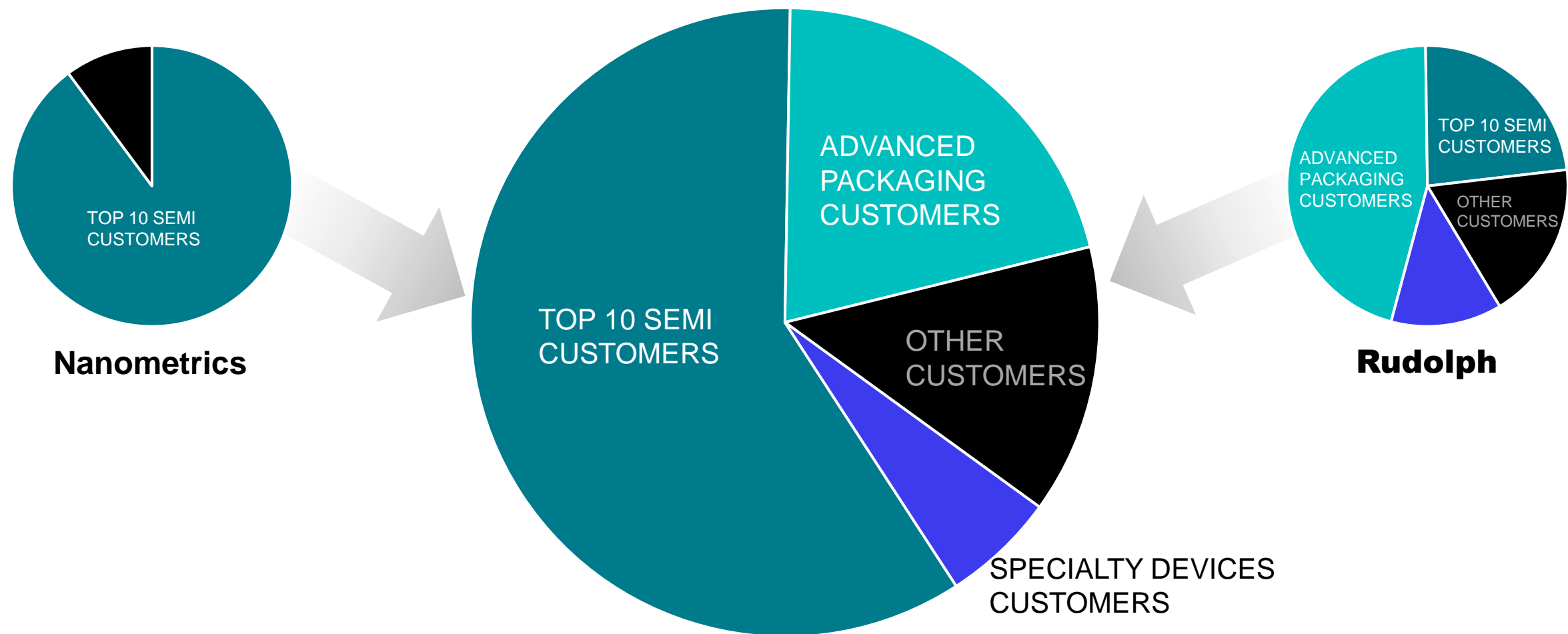
Product and Process Matrix for Onto Innovation

	Si Wafer Mfg.	Wafer Fab					Advanced Packaging			
	OQA	Litho	Deposition / Implant	Etch / Cleans	CMP	OQA	Bump / TSV	Dicing	Litho	Etch / Plating
NovusEdge Inspection	●	●								
QS/FTIR Metrology	●		●							
Atlas III+ Metrology			●	●	●					
IMPULSE+ Metrology			●	●	●					
MetaPULSE G Metrology			●	●	●					
Dragonfly G2 Inspection						●	●	●	●	●
NSX / F30 Inspection		●		●	●	●		●	●	●
JetStep Lithography									●	
Discover Software	●	●	●	●	●	●	●	●	●	●

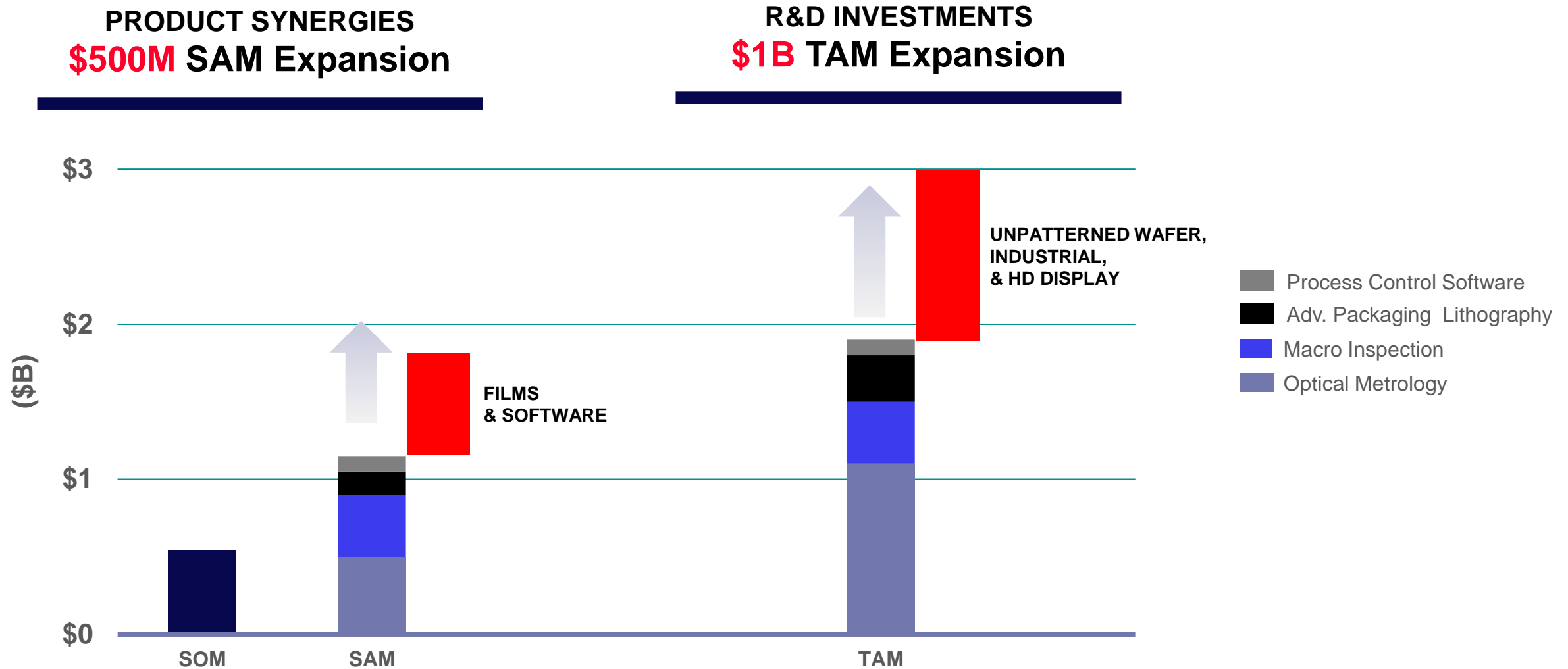
Combined Products Expand Opportunities per Customer



Expanded Products: Opportunity Over Broader Customer Base



Complementary Technology Expand Our Markets



Source: Gartner WFE 2018 Market Share, May 2019 and company estimates

Significant Value Creation

R&D (Innovation)

Combination accelerates R&D in complementary competencies of software and optics

Financial Results

Financially strong with FCF accelerating additional strategic investments

Diversification

Broader Markets & Products
Participation in multiple mega-trends

Cash Position

Combined cash over \$320M
provides significant deployment options

Combination Benefits All Stakeholders

CUSTOMERS

- ✓ Scope and scale for end-to-end support
- ✓ Accelerate R&D with over \$100M

EMPLOYEES

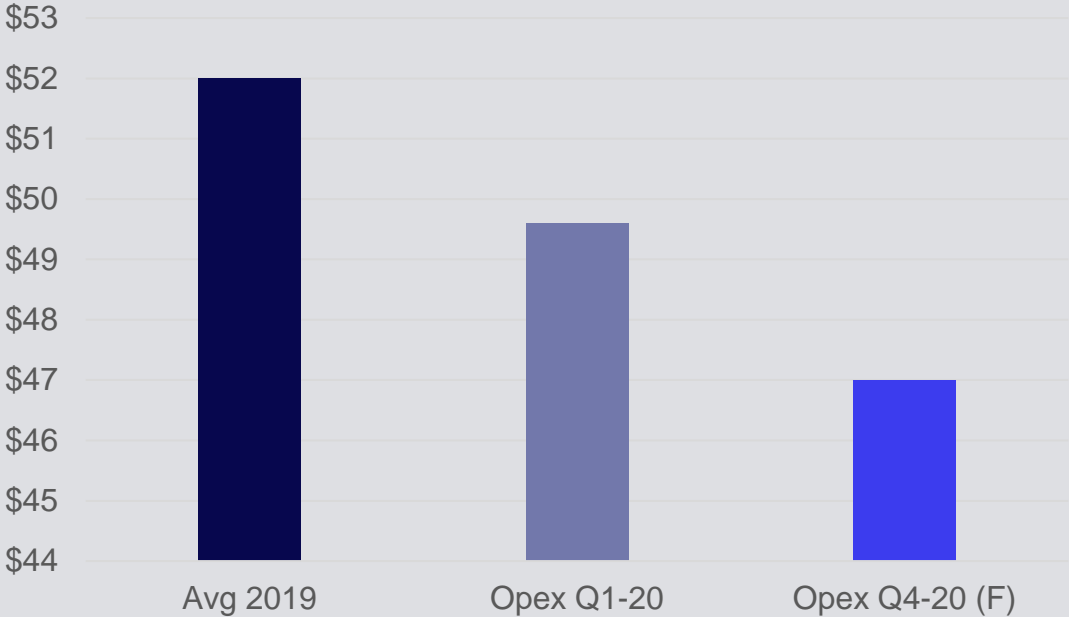
- ✓ Greater opportunity for career development across a broader set of technologies, markets, and organization
- ✓ Attracting top talent across the globe
- ✓ Increased financial stability

SHAREHOLDERS

- ✓ All stock transaction allows all shareholders to participate in upside from combination
- ✓ Synergies drive earnings expansion
- ✓ Greater resources to deploy for additional organic and inorganic growth initiatives

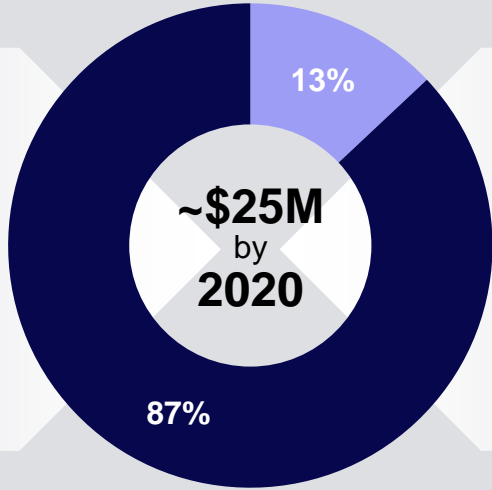
Business Integration Update

Operating Expenses



10% REDUCTION

Synergies



Gross Margin Operating Efficiencies

AHEAD OF SCHEDULE



Thank You

谢谢 | 謝謝

Danke

ありがとう

감사합니다

Obrigado

Merci

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