

2021 ANNUAL RESULTS PRESENTATION

23rd February 2022

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AGENDA

Group Key Highlights Outlook Key Investor Takeaways Financial Appendix Q&A



GROUP KEY HIGHLIGHTS

Group Key Highlights

FY21 Record Breaking Financial Performance

Progress & Development in Advanced Packaging

Exciting Growth Opportunities – Automotive, Advanced Displays and Memory Markets



Group Key Highlights

FY21 Record Breaking Financial Performance

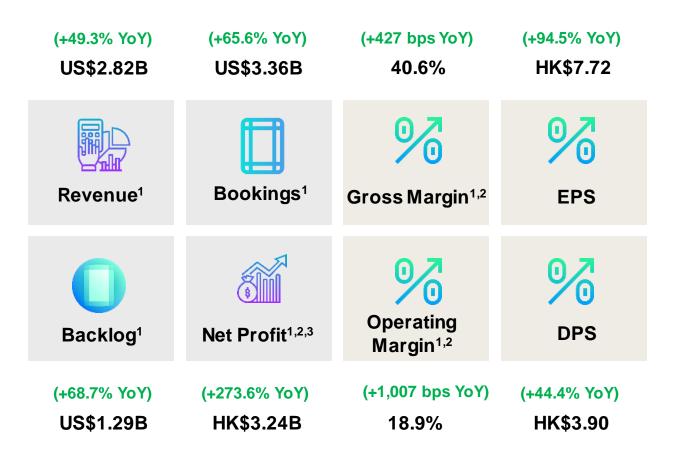
Progress & Development in Advanced Packaging

Exciting Growth Opportunities – Automotive, Advanced Displays and Memory Markets



2021 Group Financial Results

Record EPS, Revenue, Bookings and Net Profit





Notes

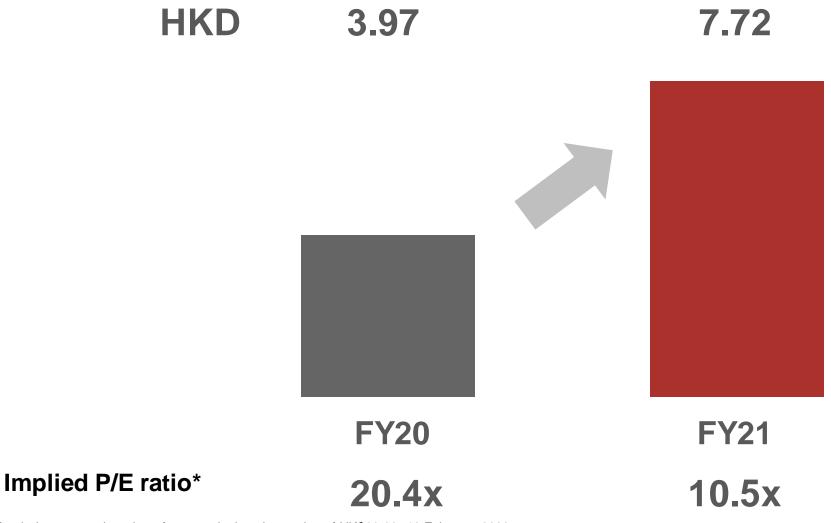
¹ results from continuing operations

² excluding one-off items and their related tax impact recorded in Q42020 of HK\$230.9 million

³ excluding one-off items and their related tax impact recorded in Q42021 of HK\$65.5 million

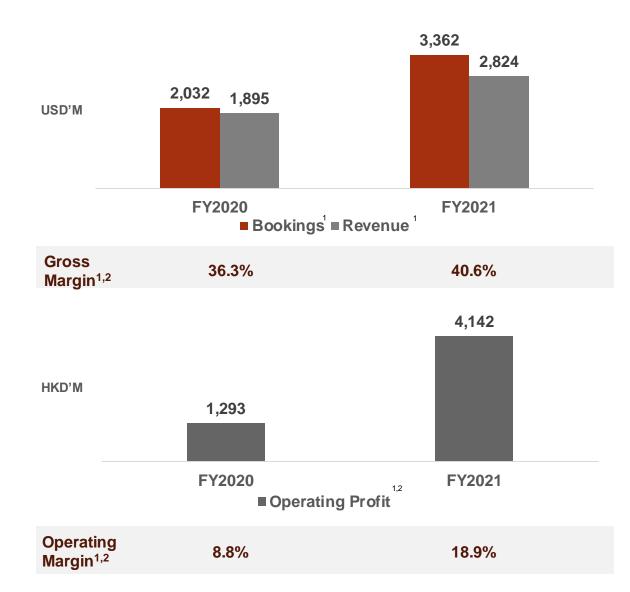
2021 Group Financial Results

Record EPS of HK7.72, Representing Growth of 94.5%



 * Implied P/E ratio is computed on the reference closing share price of HK\$80.90, 18 February 2022

FY21 Group Financial Results



Record Bookings, Revenue and Operating Profit Record bookings for SEMI and SMT FY21 Revenue drivers: Prior years under-investment in capital equipment Semiconductor self-sufficiency drive Broad based end-market demand strength Long-term secular macro growth trends Margin improvement: Higher SEMI and SMT Gross Margin High operating leverage

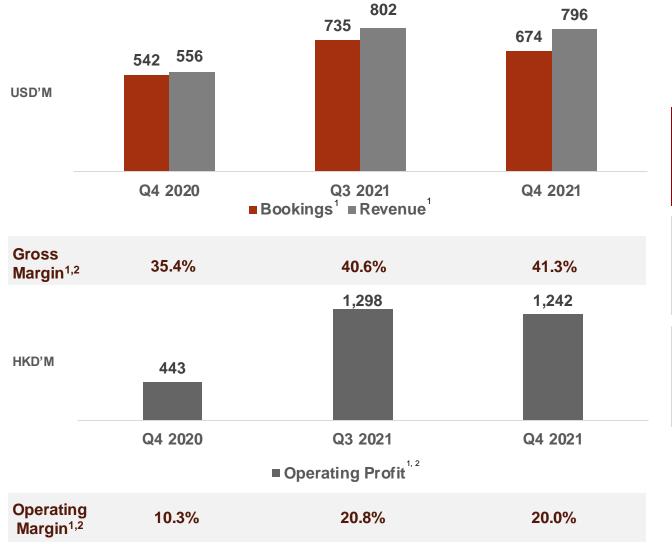
Notes

¹ results from continuing operations

² excluding one-off item recorded in Q42020 of HK\$199.3 million



Q4 2021 Group Financial Results



Revenue exceeded guidance

Q4 Bookings:

- Elevated compared to prior years' Q4 level
- QoQ declined in line with seasonality

Margin improvement:

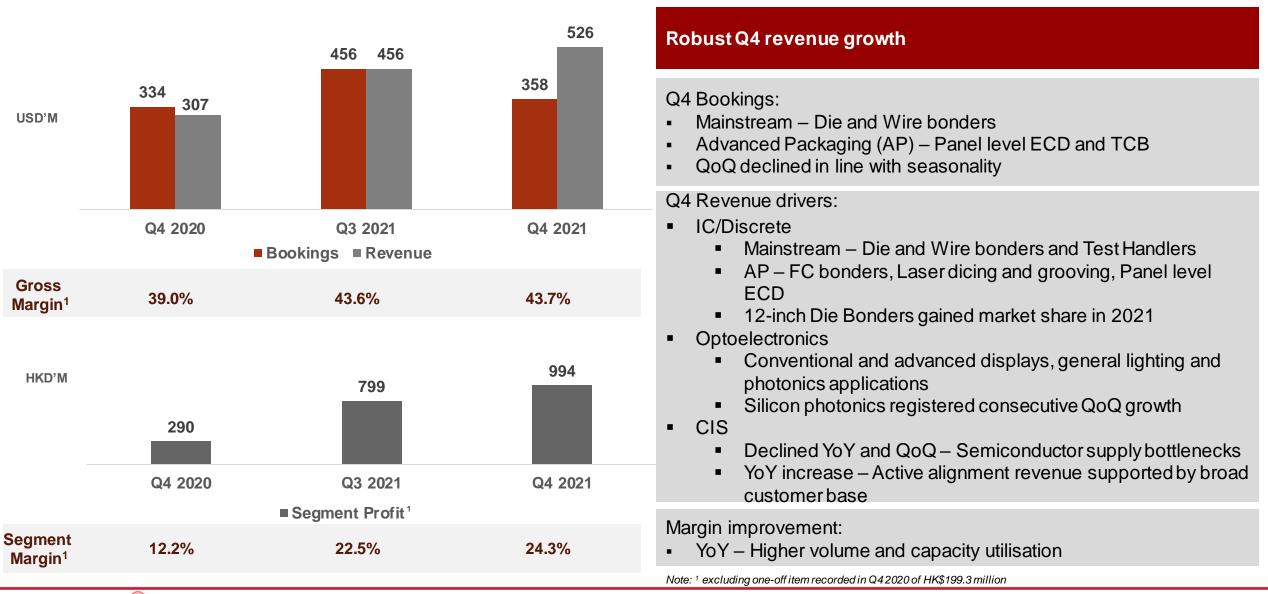
- Higher SEMI revenue mix
- Higher SEMI and SMT Gross Margin

Notes

¹ results from continuing operations

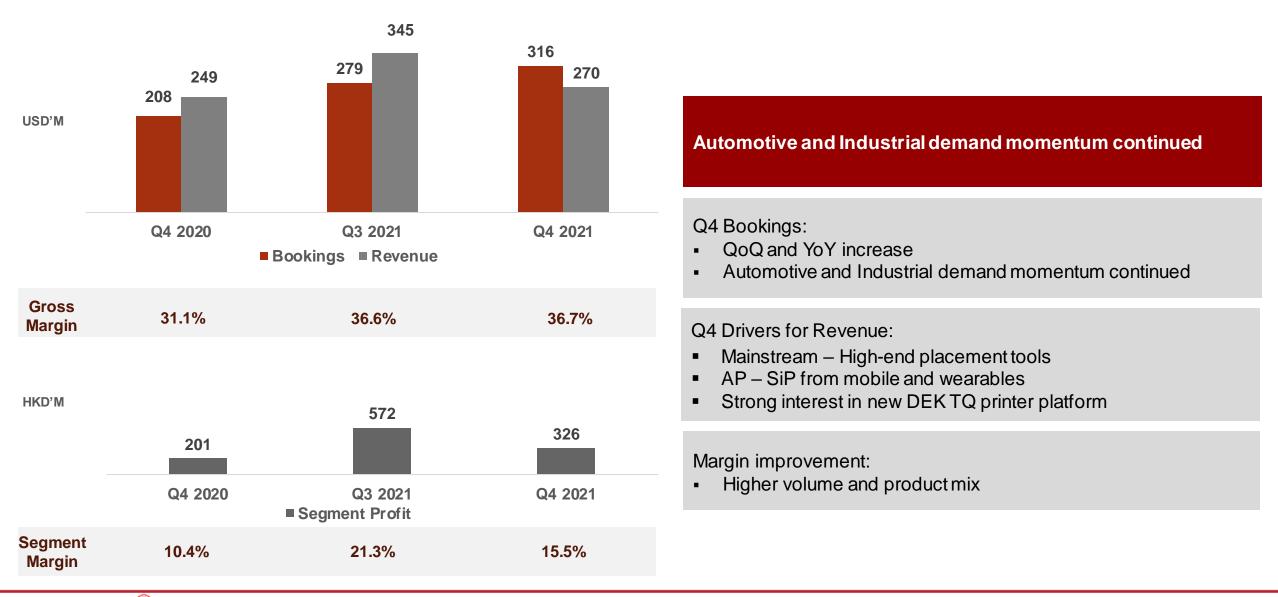
² excluding one-off item recorded in Q42020 of HK\$199.3 million

Q4 2021 Semiconductor Solutions Segment Performance



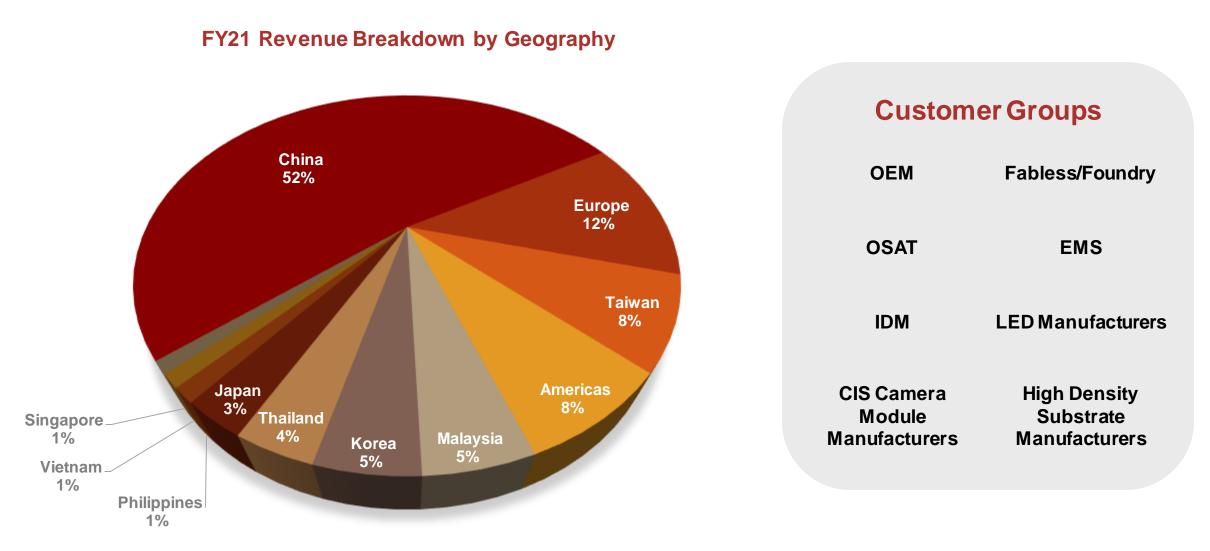
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Q4 2021 SMT Solutions Segment Performance



Key Partner to Industry Leading Customers

Serving Industry-Leading Semiconductor and Electronics Manufacturers Globally



Group Key Highlights

FY2021 Record Breaking Financial Performance

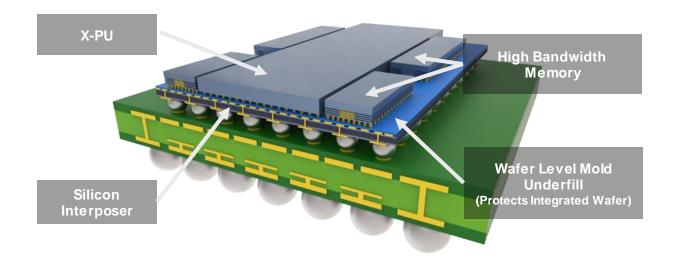
Progress & Development in Advanced Packaging

Exciting Growth Opportunities – Automotive, Advanced Displays and Memory Markets



Advanced Packaging Broadening Customer Base

The Group's diverse AP portfolio spans wafer-level to die-level high-accuracy placement tools and SiP placement tools, addressing a broad range of packaging technologies (2.5D, 3D-IC, Fan-in, Fan-out Wafer-Level and SiP)



FY21 Revenue approx. USD 590M - 35% YoY increase

- AP Book-to-Bill ratio of 1.15 in FY21, above FY20 level
- Strong customers acquisition momentum in FY21
- Hybrid Bonding on track for delivery in 2022 for customers' qualification
- Meaningful contributions, in line with customer ramp-up plans, expected in 2023



TCB – Extending our Technological Leadership

Significant Order Win for New Generation Chip-to-Wafer (C2W) TCB tool for Heterogeneous Integration



Firebird TCB C2W (2022)





Future Generation

- Chip-to-Substrate tool
- Single bond head with accuracy of $+ 2\mu m$
- Established dominant installed base worldwide

- Latest Generation Chip-to-Wafer tool
- Key features and improvement from existing generation:
 - Dual bond head
 - 2X throughput
 - 2X accuracy (+0.8µm)
- Significant order win close to US\$ **100M** from a major customer

- In Progress: Development of next generation TCB tool
- Enables fine solder bump pitch below 30µm
- First prototype expected to be delivered by 2nd Half of 2022

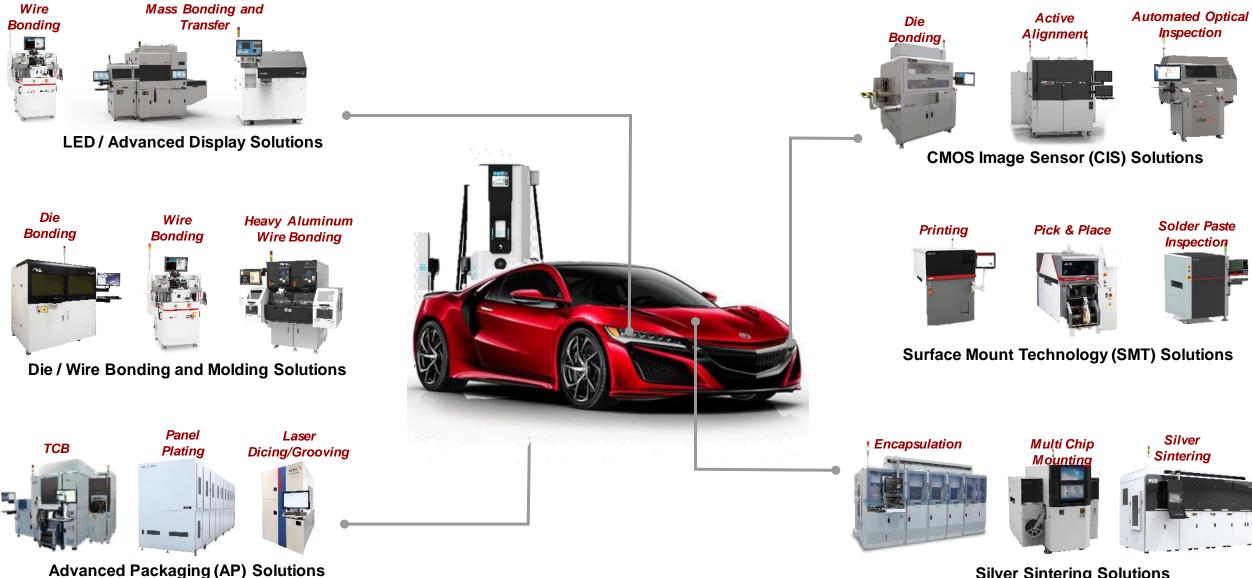
Group Key Highlights

FY2021 Record Breaking Financial Performance

Progress & Development in Advanced Packaging

Exciting Growth Opportunities – Automotive, Advanced Displays and Memory Markets

Automotive Electrification – Multi-Year Growth Driver



Silver Sintering Solutions

Pacific Technology ASM

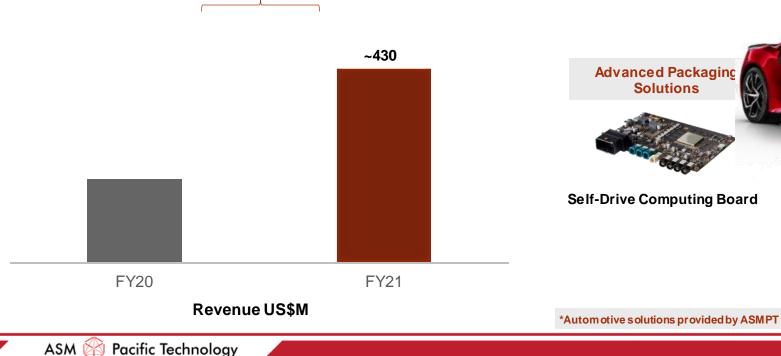
Automotive Electrification – Multi-Year Growth Driver

Comprehensive Solutions to Address Automotive Market

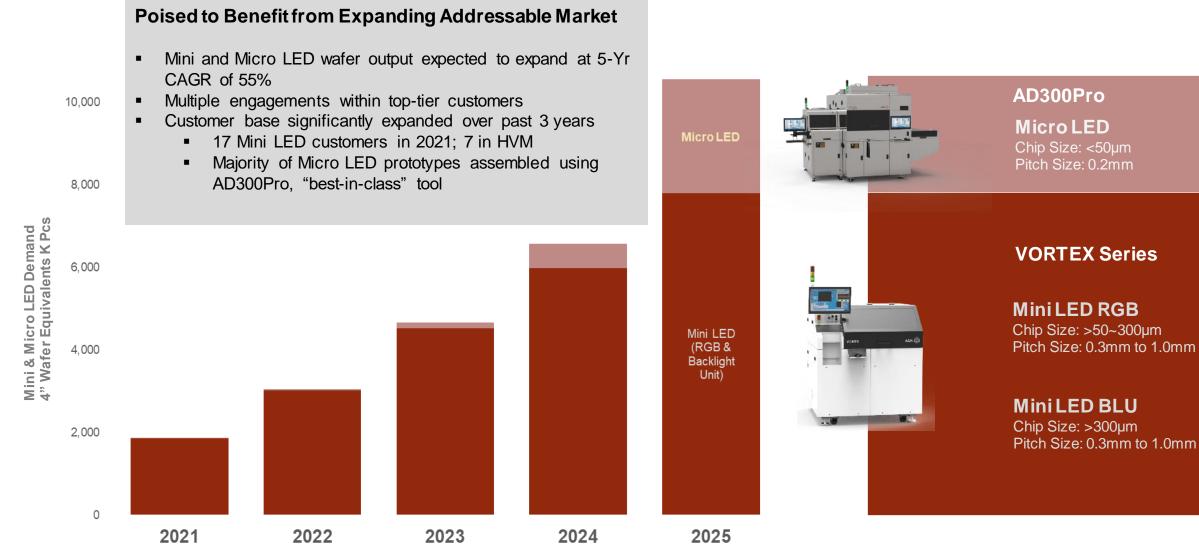
- Revenue from Automotive applications more than doubled vs. **FY20**
- Number of customers served increased significantly in FY21
- New customers to generate significant opportunities going forward



More than 2x



Advanced Display – Inflection Point for Growth



Source: Trendforce, Sept 2021

Advanced Display – Inflection Point for Growth

Mini LED BLU Chip Size: >300µm Pitch Size: 0.3mm to 1.0mm Mini LED RGB Chip Size: >50~300µm Pitch Size: 0.3mm to 1.0mm

Micro LED Chip Size: <50µm Pitch Size: 0.2mm



Tablet



blet



Stretchable Display



Video Wall





Mini LED TV



LEDINSIDE Rollable Display



2K Mini LED RGB TV



Transparent Display



89" 5K Video Wall



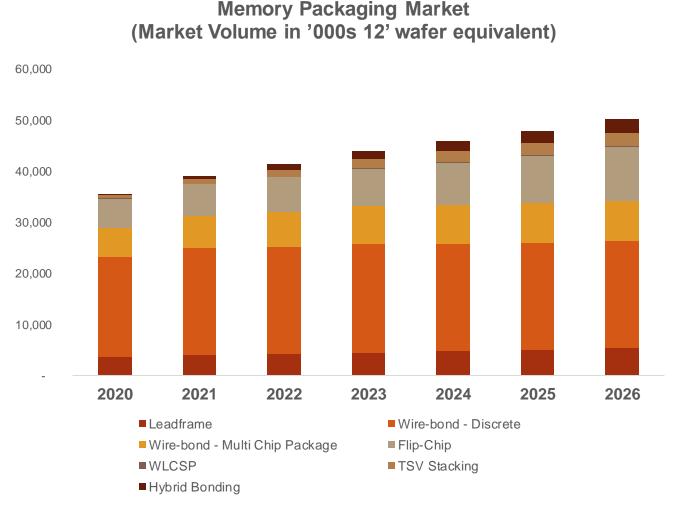
Micro LED Watch



Transparent Display

Memory Market – Strategic Breakthrough

Foothold in High-Bandwidth and Market Share Gain in Conventional Memory Applications



Breakthrough to a Sizeable Addressable Market

- TCB qualified by Tier One memory player for HBM3 multidie stacking application
- Wire Bonder in high volume production of new generation NAND memory



Suite of conventional and advanced packaging tools to address the Memory Packaging Market

Source: Yole Développement, Memory Packaging, 2021

Key End-Market Applications

Serving a Broad-based End-Market Applications*



*End Market classification is based on management's best estimates.

**Others include revenue from spares and services and other end market applications that cannot be meaningfully identified.

FY21

Revenue

Key End-Market Applications

Automotive, Consumer and Industrial – Sharp Growth, Doubled YoY

Automotive



- Automotive electrification and general recovery of Automotive sector
- Number of customers served increased significantly in FY21

Consumer



- Wearable devices, gaming devices, general lighting and conventional RGB displays
- Adoption of mini LED in consumer devices heightened demand for advanced display tools
 - 17 new mini LED customers in FY21, with 7 in high volume manufacturing

Industrial



 Broad based demand for automation and control devices in varied application, including smart grids and EV charging infrastructure



OUTLOOK

Revenue Guidance



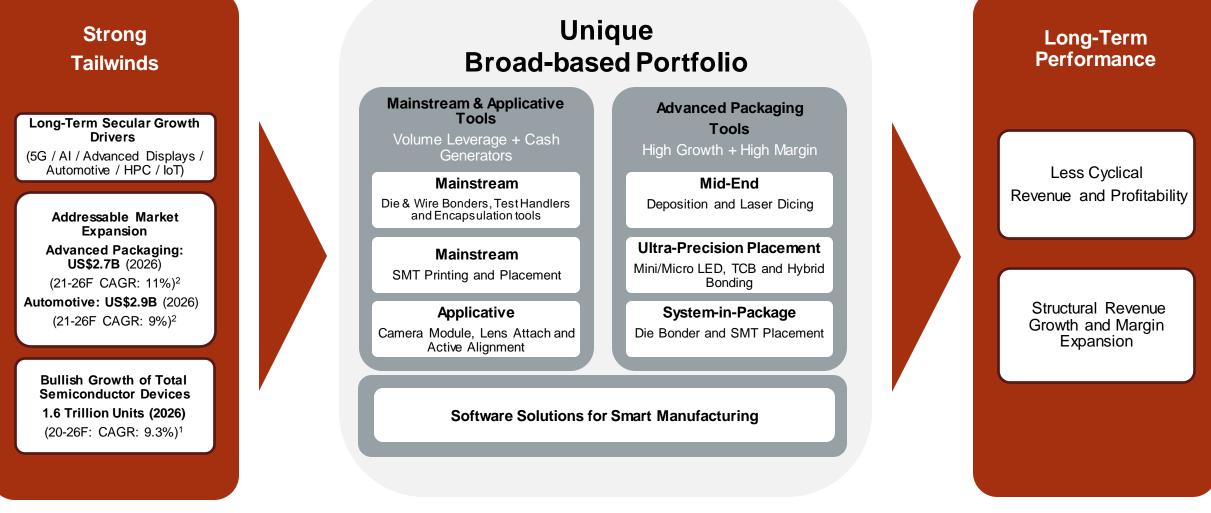


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KEY INVESTOR TAKEAWAYS

Unique Broad-Based Portfolio



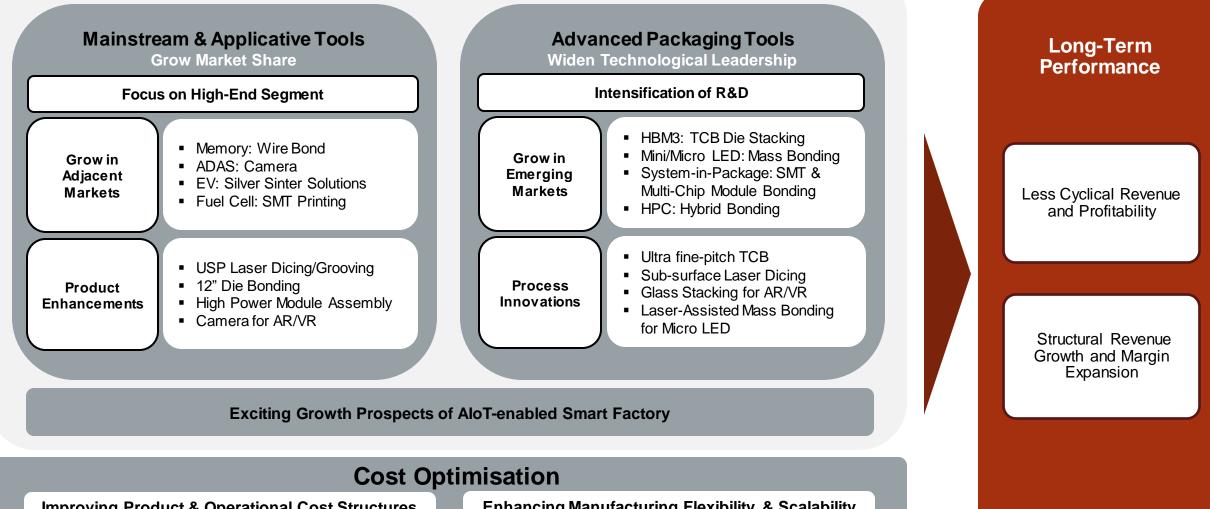
¹ VLSIresearch Worldwide Semiconductor History and Forecast, December 2021

² Company Management's Estimates



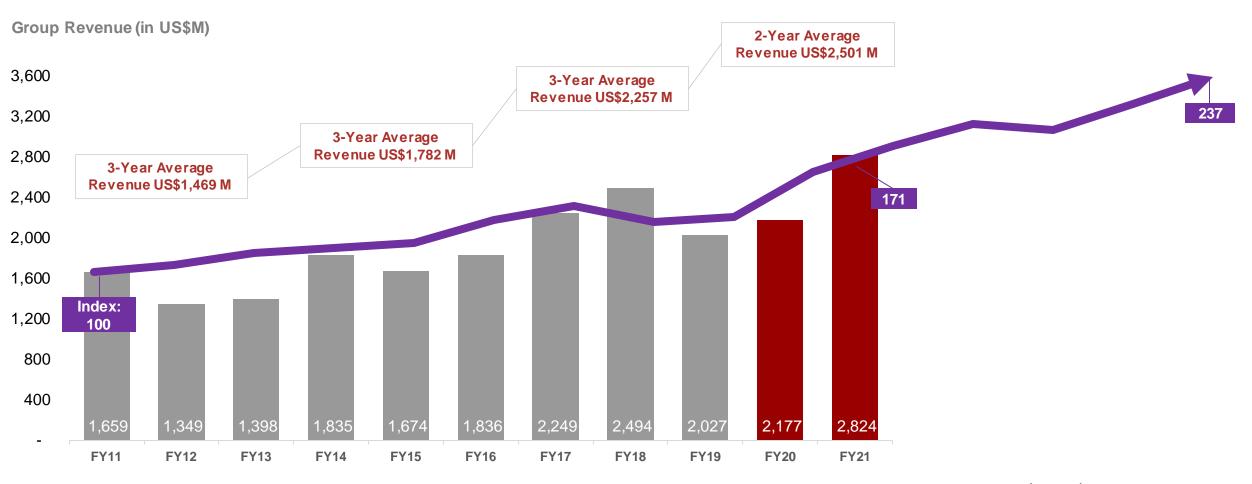
Two-Pronged Growth and Cost Optimisation Initiatives

Growth



Improving Product & Operational Cost Structures (Procurement / Design to Cost) Enhancing Manufacturing Flexibility & Scalability (Optimal Mix of Internal vs. External Manufacturing)

Through-cycle Revenue Growth in Tandem with Semiconductor Devices Growth



Note: The number of semiconductor units produced in 2011 is set at index 100

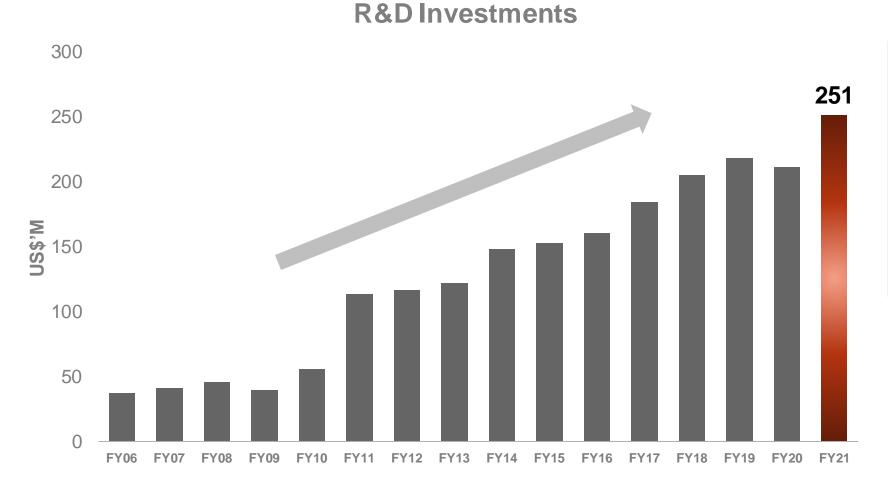
Semiconductor Units, Source: VLSIresearch, Dec 2021

Legend Semiconductor Units



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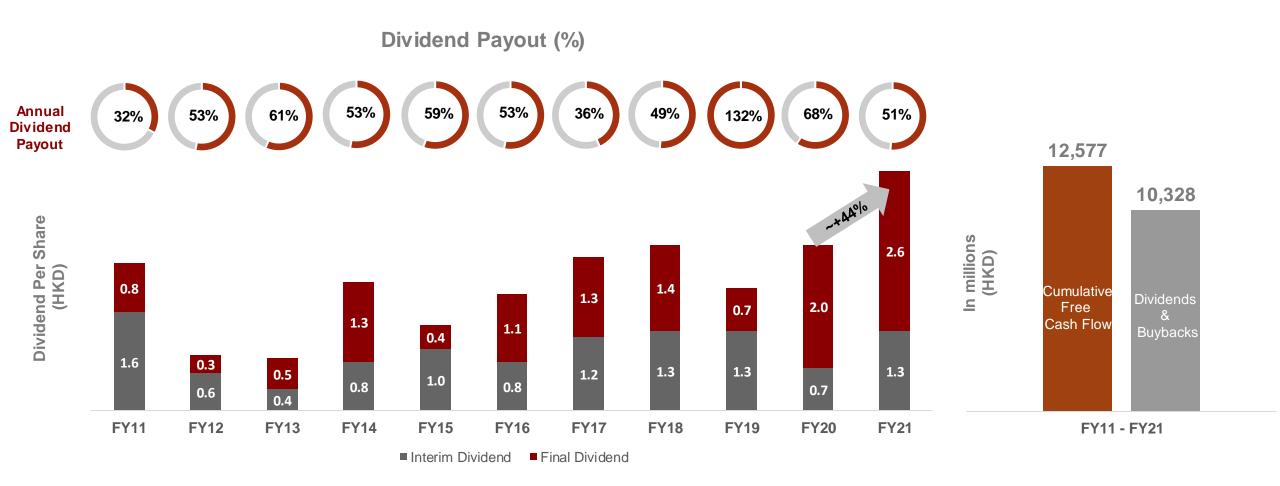
Increasing R&D Expenditure



Commitment to R&D

- About 10% of Equipment Revenue is invested into R&D each year
- R&D expenditure for FY21: US\$251m

Attractive and Sustainable Dividend Payout Ratio Policy Supported by Sustainable Cash Flow Generation



Dividend policy of consistent annual dividend payout ratio of around 50% (consistent with average dividend payout ratio FY11-FY21)

Strong Cash Flow Generation and Returns to Shareholders

What Makes ASMPT a Compelling Value Proposition

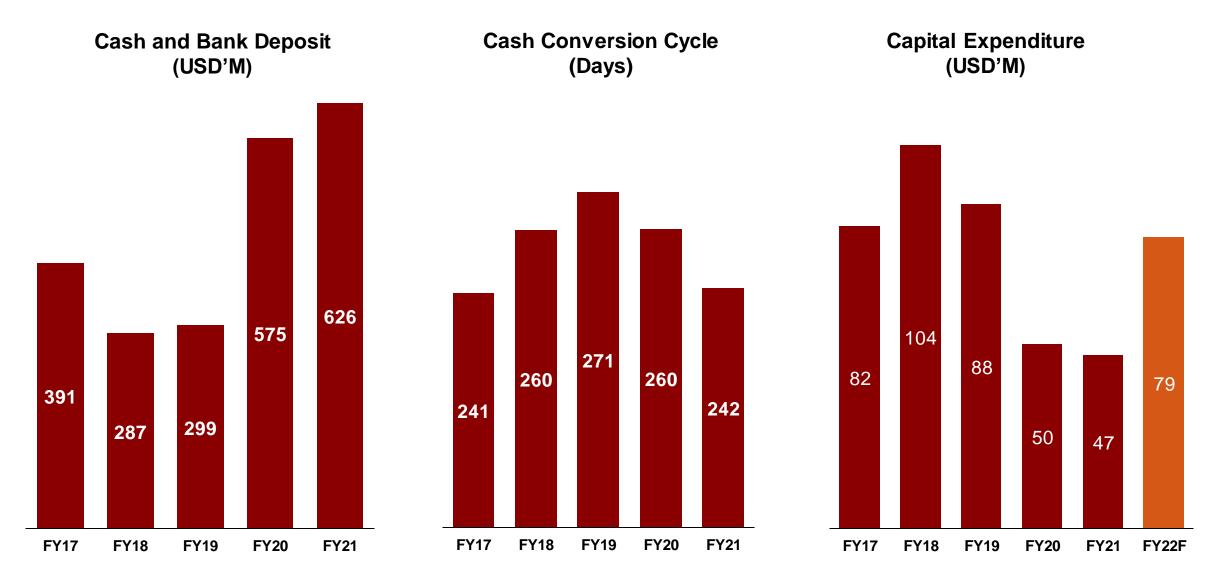
- Strong and sustainable cash flow generation from Mainstream and Applicative Tools fueled by bullish semiconductor devices unit growth
- Continual margin expansion from intensification of R&D in high growth and high margin Advanced Packaging and Automotive market segments funded by strong cash flows
- Leadership position in key electronic sectors from mid-end to back-end to SMT cushions cyclicality and volatility and underpins Through-Cycle revenue and profitability growth
- Dividend payout ratio of 50% generates attractive returns to Shareholders



FINANCIAL APPENDIX

Group Balance Sheet Highlights

Strong Cash Balance with Improving Cash Conversion Cycle





THANK YOU

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