



*Engineering the future
of innovation with you*

Annual General Meeting

26 April 2024



FY23 Overview

“To be the strategic manufacturing partner to our customers for their precision components and complex system integration needs, from design to mass production”

Financials	Operational	Strategic
<p data-bbox="99 686 673 865"><i>Top-line resiliency and investing ahead for future growth.</i></p> <p data-bbox="184 939 576 1079">Revenue: S\$111.3m EBITDA: S\$22.4m Net Profit: S\$5.5m</p>	<p data-bbox="783 668 1286 846"><i>Onboarding new clients and growing inhouse talent.</i></p> <p data-bbox="768 911 1297 1150">5 new accounts (including 4 from front-end semi); 2 senior hires for advanced materials and strategic initiatives</p>	<p data-bbox="1404 686 1970 865"><i>Organic and inorganic growth of capacity & capabilities.</i></p> <p data-bbox="1431 939 1935 1129">Surface treatment via acquisition; new advanced materials projects with customers</p>

FY23 Key Milestones



- New marquee customers
- New dedicated Penang site
- Offers integrated solution
Component machining, sheet metal fabrication, mechatronics module assembly and surface treatment

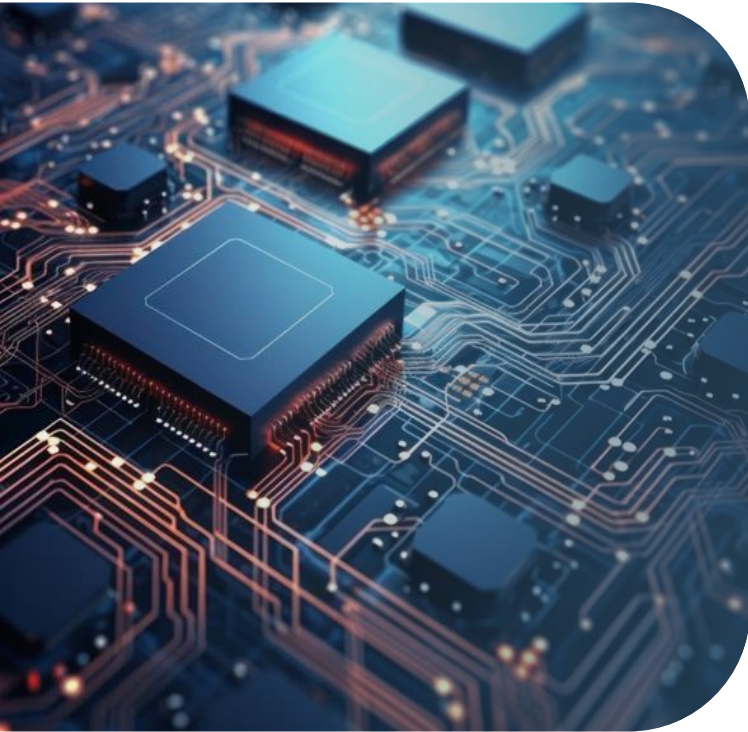


- Working with a blue-chip life science client on use cases
- Exploring collaborations and partnerships to develop ceramic capabilities
- Onboarded 2 new advanced materials senior hires



- S\$17m acquisition of ACP Metal Finishing
- Crucial process for front-end semiconductor and aerospace applications

Significant Strides in Front-end Semi



- Invested in specific equipment and capacity in Penang – newly commissioned dedicated site in Dec 2023
- Onboarded 4 new key blue-chip customers in the metrology, inspection, etch and wafer deposition sectors
- Delivered on first articles and obtained qualifications for additional products
- Working with customers to undertake more projects for complex parts and components

Advanced Materials Capabilities Build-Out



- Joint R&D with blue-chip life sciences clients on use cases
- Onboarding 2 new senior hires on strategic initiatives
- Identified key product applications across Semiconductor, Life Sciences and Medical

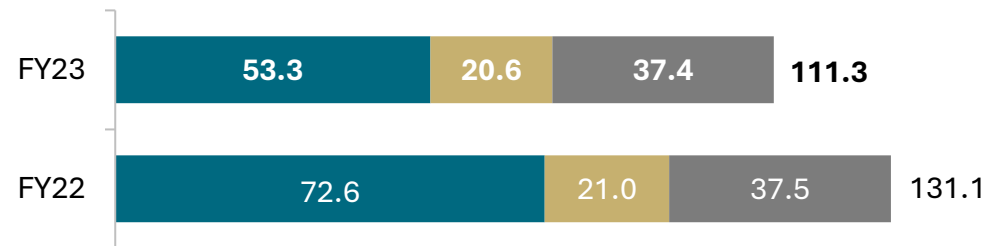
Acquiring Rare Surface Treatment Capability



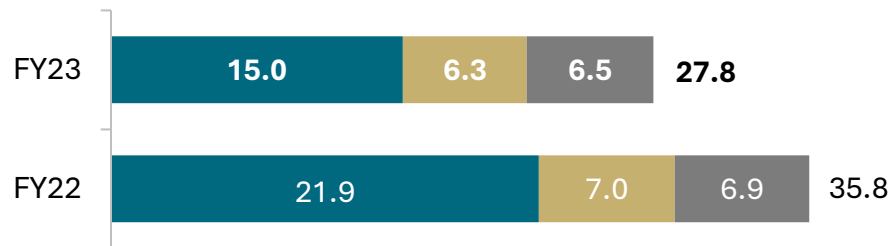
- S\$17m acquisition of ACP Metal Finishing, a surface treatment specialist that serves Aerospace, Life Sciences, Medical and Semiconductor segments
- Critical augmentation of GVT's existing suite of capabilities for front-end and aerospace customers
- Surface treatment is a rare capability: having it inhouse is a key differentiation from competitors and looked upon favorably by customers.

Financial Highlights

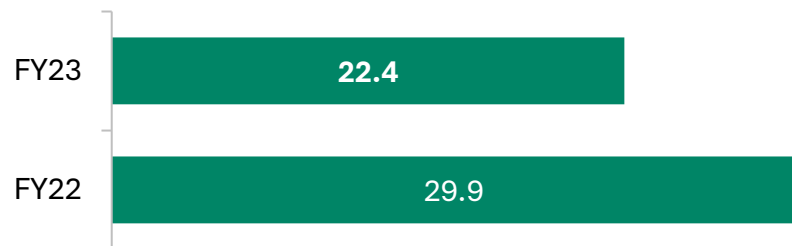
Revenue (\$\$'m)



GPM (\$\$'m)



EBITDA (\$\$'m)



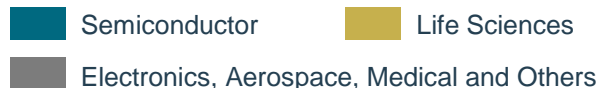
Net Profit (\$\$'m)



Top-line decline is due to lower business activity in back-end semi that is **expected to improve through 2024**.

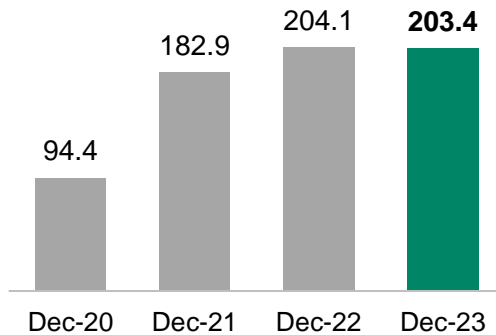
Margin impact is tied to onboarding cost of new semi customers, capacity expansion to position well for recovery and non-recurring expenses from recent acquisitions.

FY2023 total dividend: 0.1 cent/share

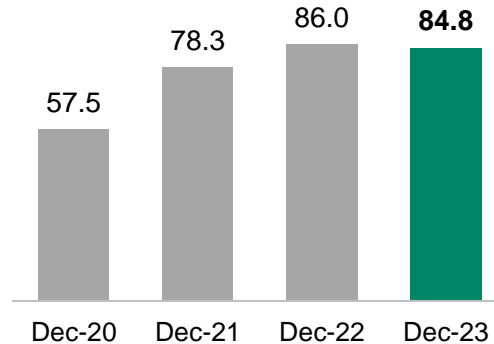


Financial Position

Total Assets (S\$m)

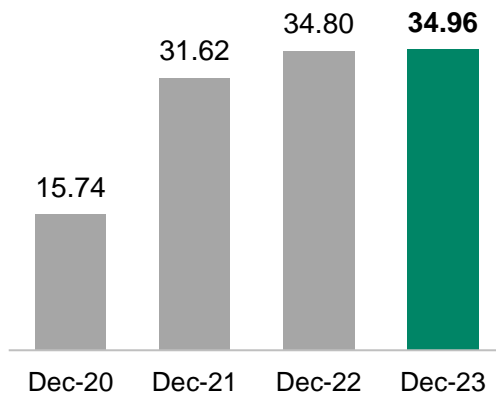


Total Liabilities (S\$m)

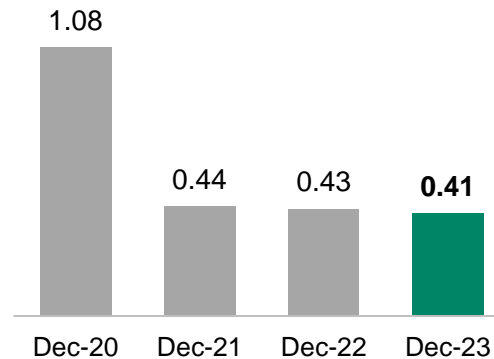


Consistent track record of building asset and shareholder value.

Net Asset Value Per Share (S\$ cent)



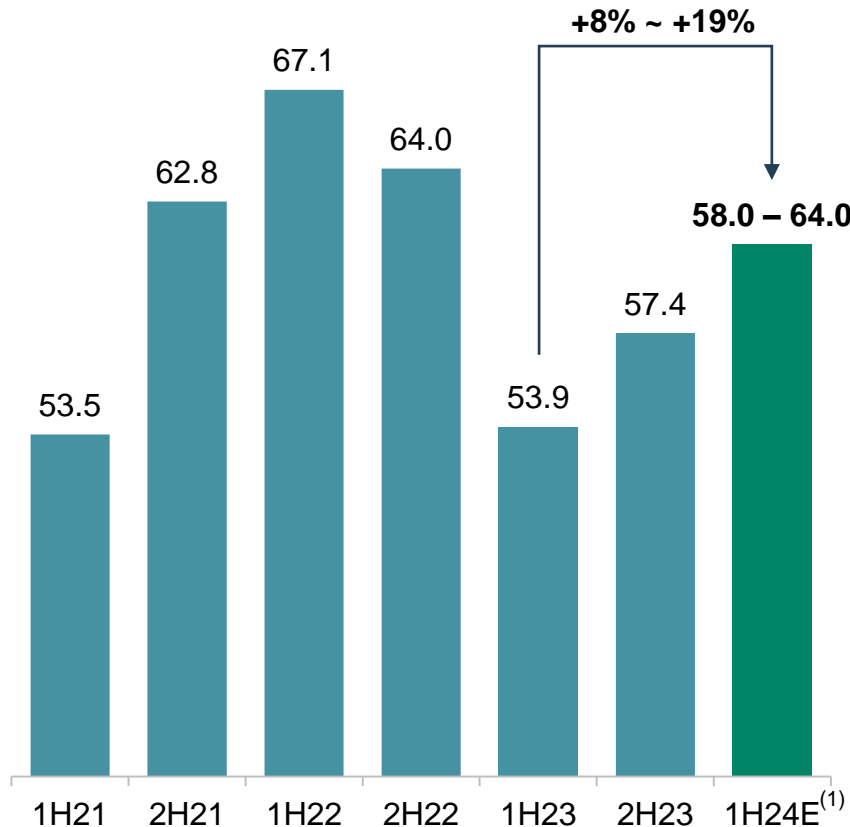
Debt / Equity (times)



Healthy cash position of S\$19.1m with healthy leverage position.

Cautiously Optimistic for 2024

Semi-annual revenue (S\$m)



Sources: SEMI
Note: FY24 guidance

We emerged from a challenging FY23 as a stronger organisation, with strategic strides made across customers, capabilities and operations.

- **Advantageously positioned for a strong push for front-end semiconductor:** (1) increased capacity, (2) new blue-chip customers, (3) highly strategic surface treatment capabilities.
- **Key advanced materials developments:** (1) commenced inhouse capabilities develop with a key life sciences customer, (2) exploring collaborations and partnerships to develop ceramic capabilities and expand use cases, (3) onboarded 2 senior hires for advanced materials and strategic initiatives.

FY24 is likely to be a year of growth.

- Semiconductor is expected to gradually recover in 2H
- We will start seeing increased front-end semiconductor revenue contribution
- Revenues across life sciences and aerospace segments are expected to grow
- **Revenue guidance of S\$58m – S\$64m for 1H24E**

Semiconductor

- Some excess inventory still to be digested but with increasing demand driven by:
 - Innovations in AI applications, IoT, data centres, automotive and high-performing computing
 - Diversification of supply chains into Southeast Asia
- **Gradual improvement expected through the year**, in line expectations from key industry leaders such as ASML and AMAT that expects 2H to be stronger than 1H

Aerospace, Life Sciences, Medical and Electronics

- Global air travel volume is expected to **exceed pre-COVID levels in 2024**
- **Commercial aircraft demand is outpacing demand and deliveries** as manufacturers struggle to keep up due to supply chain issues and OEM production, with global backlogs reaching a record year-end high in 2023
- **Continued resilient demand** is expected from Life Sciences and Medical segments

**Pursuing strategic growth with our customers,
positioning well for the sector recovery and wallet share capture.**

1

Capabilities Integration

- Cross-selling surface treatment and finishing to existing and new clients
- Sharing of competencies and best practices across GVT's subsidiaries

2

Invest in Innovation

- Continue to make good progress with our multi-pronged strategy to develop advanced materials capabilities

3

Wallet share growth across all segments

- Front-end semi will be the top focus, especially to win more complex projects that are high runners.
- Target more advanced packaging projects with back-end semi customers.
- Pursue new orders across aerospace and life sciences.



Appendix

What we do



Value engineering

Early customer engagement and participating in the design process to maximize manufacturability and streamline assembly (DFM / DFA)



Produce, assemble & test

One-stop solution with fully integrated and end-to-end manufacturing capabilities, ranging from precision machining, sheet metal fabrication, assembly & testing



Deliver, support & upgrade

Provides product life cycle management to customers, allowing for strong and lasting customer relationships to be formed

Markets we serve



Global Presence & Exposure

- **Southeast Asia**
Up-and-coming manufacturing and R&D hub for global customers
- **Asia (ex. Southeast Asia)**
Existing manufacturing powerhouse
- **North America & Europe**
Existing R&D nexus for customers



End-Markets (Key Modules)

- **Semiconductor**
Capital equipment for front-end (CVD etc.) and back-end (wire bonder, DRAM/Analog test etc.)
- **Life Sciences**
Single & hybrid mass spectrometer etc.
- **Medical**
Surgical microscope etc.
- **Aerospace**
Landing gear systems
- **Electronics Manufacturing**
Surface mount technology etc.
- **Industrial Automation**
Hard drive assembly automation etc.

The GVT advantage



Experience & expertise

- Average 27+ years of precision engineering experience across mgmt.
- Award-winning and qualified supplier to top global OEMs
- Strong competencies in ultra-high precision machining, complex mechatronics and sub-assembly



Market & customer access

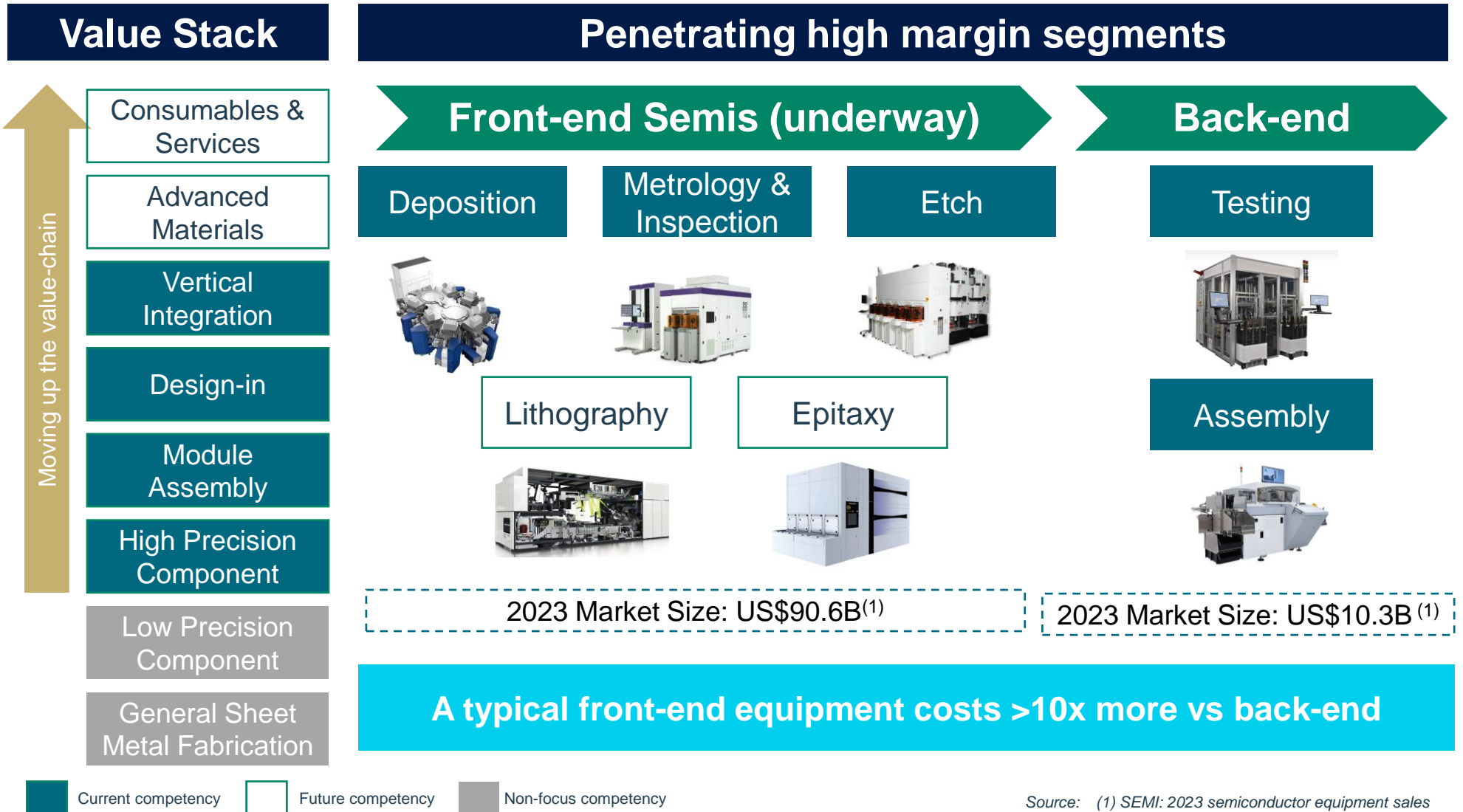
- Sticky customer base across diff high-tech industries
- 5 highly strategic facilities (Singapore, Malaysia, China) near customers
- Well-positioned to benefit from industry trends (supply chain shift to Asia and capabilities integration etc.)



Scaling with profitability

- Profitable since 2016
- Healthy cash flow generation allowing for reinvestment into capacity growth and capability enhancement

GVT's strategic positioning in the value stack



Selected core competency illustration: Submicron precision machining

Sub-Micron Machining and its Importance

- Also known as “ultra-precision machining”
- A high-precision manufacturing process: materials are processed at an atomic scale, in the vicinity of one micron (for scale, a human hair is 20-70 microns)
- Requires the use of single crystal diamond tools for ultrafine cutting or very fine abrasives for lapping or polishing
- **Critical for high-value processes such as chip making and drug discovery – a few microns difference might result in substantial dollar loss** (e.g. micron gaps within gas delivery chambers in mass spectrometers might result in leakage or cross contamination that will yield inaccurate results).

Selected Applications

Analytical Life Sciences Instruments

- Mass spectrometers is used to identify the kinds of particles present in any given substance
- Used in analytical life sciences research, environmental testing, F&B testing, forensic analysis, pharma applications and clinical diagnosis
- GVT supplies key components to single and hybrid mass spectrometers, such as vacuum chambers and interfaces, complex parts of the mass filters and the ion source, which requires ultra high precision machining to manufacture

End Application: Mass Spectrometer



Selected Components that GVT Manufactures



Quadrupole Mass Filter

Ion Source







Q2 & Entrance Lens

GVT Value Proposition

Provides one stop solution from ultra-precision mechanical component fabrication and sub-micron measurement, design and fabrication of assembly jigs for laser welding and precision assembly alignment requirement down to **tenths of a micron in a clean room environment.**

Differentiated capabilities to serve and cross-sell to a differentiated blue-chip customer base

Capabilities	Semiconductor	Life Sciences	Aerospace	Electronics, Medical & Others
Design for Manufacturability / Assembly	✓	✓	✓	✓
Ultra Precision Machining (Sub-micron)	✓	✓		●
High Precision Machining	✓	✓	✓	✓
Vacuum Parts Manufacturing	✓	✓		
Ultra-high Vacuum Production Processing	✓	✓		
Engineering Plastic, Ceramics & Quartz Machining	✓	✓	●	✓
Complex Sheet Metal Fabrication	✓	✓	●	✓
Assembly (Medium / High Complexity)	✓	✓	●	✓
Assembly (High Complexity in Class 10K Cleanrooms)	●	✓		
Customized Engineering Solutions	✓	✓	✓	✓
Surface Treatment	✓	●	✓	

Examples of mission critical end-products which GVT produces components & key modules for	Equipment for Front & Back-end Processes	Single & Hybrid Mass Spectrometers	Landing Gear Systems	Surgical Microscopes, SMT Feeder Systems
Examples of key customers who are blue-chip companies and leaders in their respective industries	  TERADYNE  Kulicke & Soffa	 ThermoFisher SCIENTIFIC <i>Leading North American Life Sciences Company</i>		 <i>Global Producer of Surgical Microscopes</i> <i>Large-scale industrial automation customers</i>

✓ Existing services provided ● Cross-selling opportunity from existing capabilities

ESG commitment



Environment

- To power 10% of operations with renewable energy by 2025
- Implementation of Industry 4.0 to optimize machine efficiency and reduce wastage, energy and power consumption
- Adoption of eco-friendly practices across the organisation



Social

- Train and hire tertiary educated adults with autism (partnership with non-profit organisation, Trampoline)
- Reintegrate ex-offenders into society by offering job opportunities
- Community service and donations to charitable organisations



Governance

- Whistle blowing policy to encourage employees to report possible illegal, improper or unethical conduct
- Majority-independent board with third-party advisors for internal and external audits
- GRI sustainability framework in line with SGX requirements



Disclaimer

This presentation may contain forward-looking statements which are subject to risks and uncertainties that could cause actual results to differ materially from such statements. Such risks and uncertainties include those arising from COVID-19, industry and economic conditions, competition, and legal, governmental and regulatory changes. The forward-looking statements reflect the current views of Management on future trends and developments. The information and opinions contained in this presentation are subject to change without notice.

The Company wishes to emphasise that none of the forward-looking statements in this document is intended to be a profit forecast, and should not be treated as such.



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