

Engineering the future of innovation with you

Investor Presentation 15 Feb 2022







Strategic vision and quick facts

"To be the leading manufacturing solutions and services provider in Asia Pacific, providing world class precision manufacturing expertise with core competencies in ultra precision machining, complex mechatronics assembly and advanced materials capabilities"

Revenue: S\$116m Net Profit: S\$18m

FY21 Financials

89% **Revenue Growth**

YoY FY21

Core Competencies

Ultra Precision Machining Complex Mechatronics Assembly Advanced Materials Machining

Highly Technical End Markets

Semiconductor Equipment Analytical Life Science Medical. Electronics & Others



3 Innovative Sites

Singapore, Malaysia (Penang), China (Suzhou) with total of 540k sqft of factory floor area

Blue-Chip Customer Base

Global equipment manufacturers: Semicon Back-end (4 in top 6) Analytical Life Sciences (3 in top 10)

Company at-a-glance

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.
- Electronics Manufacturing Surface mount technology etc.
- Industrial Automation Hard drive assembly automation etc.



The GVT advantage

QExperience & expertise

- 27+ years (average) 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

Q Market & customer access

- Sticky customer base across diff high-tech industries
- 3 highly strategic facilities (Singapore, Malaysía, 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 to allow for reinvestment into capacity growth and enhancement of capabilities

Company history





Seasoned and stable management team

Lee Tiam Nam, Ricky Executive Chairman & Co-Founder



- Industry veteran with 39+ years of experience
- Founded and held leadership positions across multiple firms while playing pivotal roles in their IPO and sale:
- Co-founded Norelco Centreline that was listed on SGX Catalist and merged with UMS Holdings
- Executive director at ETLA that was listed on SGX before being acquired by Frencken Group

Tan Chun Siong Chief Operating Officer

- 20+ years of industry experience
- Worked with Ricky for 15+ years across different firms such as ETLA and Norelco Centreline
- Previously served at Apple South Asia, ETLA and Norelco Centreline



Kong Sang Wah





- 30+ years of industry experience
- Worked with Ricky for 15+ years across different firms such as Norelco Centreline and **GVT** Malaysia
- Previously served at Norelco Centreline, Ultimate Manufacturing Solutions and GVT Malaysia

Saw Yip Hooi Group Senior Director of Sales (Malaysia)



- 30+ years of industry experience • Worked with Ricky for 15+ years across different firms such as Norelco Centreline and GVT
- Malaysia
- Previously served at Norelco Centreline, Ultimate Manufacturing Solutions and GVT Malaysia

Ng Wai Yuen, Julian





Chief Executive Officer & Executive Director



• Worked with Ricky for 20+ years in leadership positions across different firms such as ETLA and Norelco Centreline



Robby Sucipto Chief Financial Officer

- 15+ years of financial audit and M&A experience
- Previously served in Ernst & Young, KPMG, a group company of Hitachi and SGX-listed Pacific Star Development Limited

Lu Jin Feng, Alan General Manager (China)



- 20+ years of industry experience
- Previously served in Hongguan Technologies Machinery (Suzhou), VDL Enabling Technológies Group (Suzhou)
- Previously founded SIP Innovation and Excellence that was acquired by GVT

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



Capabilities	Semiconductor
Design for Manufacturability / Assembly	\checkmark
Ultra Precision Machining (Sub-micron)	
High Precision Machining	\checkmark
Vacuum Parts Manufacturing	\checkmark
Ultra-high Vacuum Production Processing	
Engineering Plastic, Ceramics & Quartz Machining	\checkmark
Complex Sheet Metal Fabrication	\checkmark
Assembly (Medium / High Complexity)	\checkmark
Assembly (High Complexity in Class 10K Cleanrooms)	
Customized Engineering Solutions	\checkmark
Examples of mission critical end-products which GVT produces components & key modules for	Equipment for Front & Back- end Processes
Examples of key customers who are blue-chip companies and leaders in their respective industries	Besi ERADYNE

✓ Existing services provided

Cross-selling opportunity from existing capabilities







Medical, Electronics & Others Life Sciences (Inc. Industrial Automation) \checkmark \checkmark Single & Hybrid Mass Surgical Microscopes, SMT **Feeder Systems Spectrometers** ASM **ThermoFisher** SCIENTIFIC SCIEX Global Producer Confidential Leading North American Life Е Large Scale of Surgical Sciences Company

Microscopes

IA Customers

Selected core competency: Submicron precision machining

What's Sub-Micron Machining?

- Also known as "ultra-precision machining", sub-micron machining is a high-precision manufacturing process where materials are processed at an atomic scale, in the vicinity of one (1) micron
- Sub-micron machining requires the use of single crystal diamond tools for ultrafine cutting or very fine abrasives for lapping or polishing

Analytical Life Science Instruments

- to manufacture

End Application: Mass Spectrometer

Selected Components that GVT Manufactures



Quadrupole Mass Filter

Ion Source

Q2 & Entrance Lens



Selected Sub-micron Machining Applications

• Mass spectrometers is used for identifying 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

GVT Value Proposition

Provides one stop solution from ultraprecision 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 clean room environment**.

Favourable industry tailwinds, with GVT wellpositioned to capitalized on

Industry trends...

	Semiconductor	Global semiconductor demand Increase in chip package complexity	Robust growt should be buc advanced IC n
20	Life Sciences	Post COVID global supply chain reorg New pace for vaccine development	Growth in ord addition to sh demand for a
	Medical	Proliferation of advanced medical equipment & ageing population	Increasing add the elderly po presenting fui
	Electronics Manufacturing	PCB adoption in electric vehicles ("EV") Rise of EV & smart devices	GVT produces crucial for the interconnectiv
	Industrial Automation	Acceleration of Industry 4.0 adoption post- COVID	GVT is engagi for hard disk a





... are benefiting GVT's business

th due to demand for semiconductor capital equipment, which loyed by global demand for semiconductors and ongoing shift to manufacturing & packaging

ders from customers starting to shift production to Asia, in horter lead times for vaccine and drug development that spurs analytical equipment

doption of surgical microscopes for neuro and ENT surgery, with opulation and high demand for minimally invasive surgeries urther growth potential

es key modules for Surface Mount Technology equipment that is e manufacturing of PCBAs, which is in high demand with growing ivity between smart devices

ging with large scale industrial players, leveraging on its expertise automation equipment and PMR deposition systems

Strong revenue momentum across all segments with margins normalizing post-COVID

Annual Revenue (S\$m)





5.2	CAGR	FY17 – FY21	FY20 – FY21
	Semiconductor	37.8%	96.1%
	Life Sciences	49.1%	53.2%
	Electronics, Medical & Others	37.6%	109.7%
	Total	39.3%	89.3%

Net Profit (S\$m, % of Revenue)

-%	11.4%	7.7%	8.5%	15.1%	
				17.6	
3	4.7	3.1	5.2		
17	FY18	FY19	FY20	FY21	٦

Recognition and awards

Product and service excellence is reaffirmed by supplier awards from global customers



- Best Supplier for Machining Category
- Strategic Partner Award





• Best Supporting Supplier



• Supplier Appreciation Award













Recent Developments

Key annual highlights



+89% YoY FY21 revenue and +237% YoY FY21 net profit after tax

Strong wallet share gain across all end-markets, healthy diversification into segments such as Life Sciences that is ramping up mass production and improved margins driven by better capacity utilization across the group



Announced 2 strategic acquisitions for a total consideration of S\$20m J-Dragon Tech (Suzhou) and Formach (Penang) will supplement GVT's capability and capacity expansion across Malaysia and China respectively, and diversification into Aerospace and Medical Diagnostics segments



Net proceeds of S\$51m with the investment from Novo Tellus and placement exercises Strong vote of confidence from reputable institutional investors that strengthens GVT's balance sheet and ability to invest into advanced capabilities and capacity expansion





GVT's strategic M&A roadmap





Acquisition of J-Dragon (Suzhou)

- Diversification into Aerospace
 segment
- New customers across Medical Diagnostics & Imaging and Semiconductor segments, with potential cross-selling synergies
- Immediate scale up of Suzhou's operations

Acquisition of Formach (Johor)

- Expansion of the group's total addressable market within complex sheet metal fabrication
- Provide capacity for the onboarding of new customers and support wallet share growth from existing customers

15

Digital advancements, new customers and growing capacity







New Customers & Capacity Expansion

Making considerable strides in GVT's dual-pronged strategy to grow both organically and through acquisitions

lew Customers	Capacity Expansion
ustomers across all key	 Expanded the Malaysia with 2 factory acquisitions in 2021 and early 2022 Rented additional factory space in Suzhou for sheet metal fabrication
ner accounts in Semiconductor and	★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

formach Asia





Future Plans



Clear and actionable growth strategy

Objective: SMART Organization with fully integrated competencies in **Advanced Materials**, Ultra **Precision Machining, Additive Manufacturing and Mechatronics Assembly**

Hiring the right personnel and training employees to develop inhouse competencies in advanced materials (ceramic, quartz etc.) and looking for suitable bolt-ons

Looking at the application of technology such as linear motor and air bearing manufacturing

Organization enhancements and Industry 4.0 implementation

Adopting additive manufacturing, MES, MPS, IoT, AR/VR, Digital Twining and CNC robotic systems

Human Capital Development

Drive digital maturity, promote upskilling and OJT, instilling the right values & culture, fair compensation & recognition, and employee engagement





Develop inhouse advanced capabilities and leverage on M&A

Building on proficiencies in Mechatronics Assembly

Digitalisation roadmap

 $\text{ERP} \rightarrow \text{MES} \rightarrow \text{Smart}$ Storage System \rightarrow Autonomous Intelligent Vehicle \rightarrow I4.0 Line

I4.0 Line \rightarrow Auto Material Loading & Tool Changing \rightarrow Smart QC

Smart QC \rightarrow CMM Inspection \rightarrow Auto Compensation \rightarrow 14.0 Line

 $\text{ERP} \rightarrow \text{TMS} \rightarrow \text{Tool Setup} \rightarrow \text{Tool Data Auto Relate} \rightarrow \,$ 14.0 Line











Ongoing implementations & enhancements at GVT















Investment highlights

Leading regional precision manufacturing platform with differentiated engineering capabilities, marguee blue-chip customers and growing at a rapid pace

Differentiated Precision Manufacturing Capabilities

- barriers of entry
- Strong competencies in **complex mechatronics module sub-assembly**
- Design engineering proposition: DFM & DFA
- Advanced materials (quartz and ceramics) machining technical expertise

Blue Chip Customer Base

- medical, electronics and other segments
- diversification that is underway

Robust Financial Profile and Strong Growth Momentum

- from its customers
- Further growth from strategic M&As for sector/customer diversification and capacity expansion



• Among the few players in the region who can deliver **ultra-high precision machining capabilities** that presents high

• Leading global players in semiconductor front-end and back-end equipment, analytical life science instruments,

• Sticky customer base with cross-selling opportunities within and across industry verticals to enhance segment

• Strong YoY revenue (+89%) and net profit (+237%) growth in FY21, as the group continues to grow share of wallet

• Favorable industry tailwinds: global supply chain reshuffle to benefit GVT's diversified footprint across Southeast Asia & China, global semiconductor super cycle, increasing demand for analytical life science instrument etc.



For more information Contact us at :

2 Changi North Street 1, Singapore 498828 T : +65 6542 3000 F : +65 6542 5333