



VICPLAS INTERNATIONAL LTD

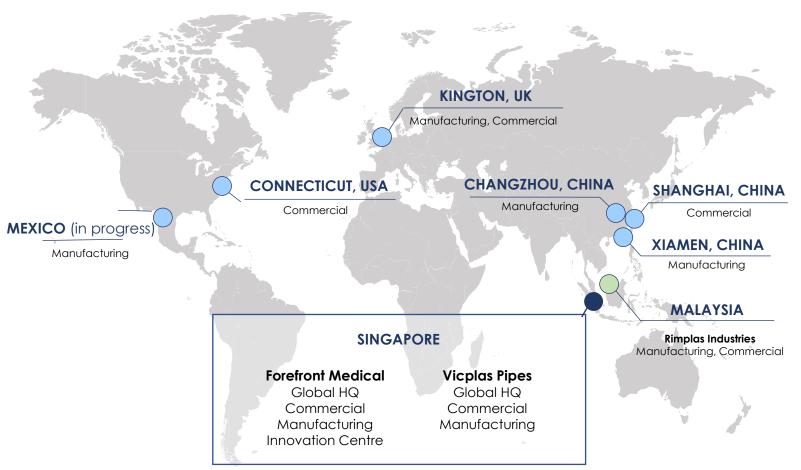
Corporate Presentation 1H2024 Results

Company Overview

VICPLAS INTERNATIONAL LTD



Company Presence



Business Segments

Medical devices segment

Forefront Medical designs, develops and manufactures sterile and non-sterile medical devices

Pipes & pipe fittings segment

Vicplas Holdings ("Vicplas Pipes")

manufactures and distributes piping systems for diverse industries

Total employees: 950 + worldwide

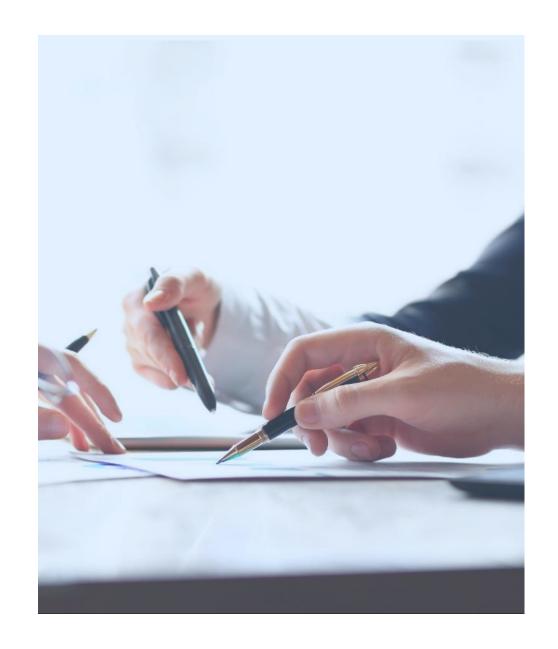
Accreditations

The subsidiaries in the pipes and pipe fittings segment have ISO9001:2015 quality certifications. Vicplas Holdings Pte. Ltd. additionally is ISO14001:2015, ISO14067:2018, ISO45001:2018 and ISO50001:2018 certified.

The subsidiaries in the medical devices segment have EN ISO13485:2016 quality certifications and, with the exception of Forefront Medical Americas Pte. Ltd. and XentiQ (Pte.) Ltd., are registered under the United States Food and Drug Administration (FDA) as a "contract manufacturer for medical devices". Forefront Medical Technology (Pte) Ltd, Forefront Medical Investment Pte. Ltd., Forefront (Xiamen) Medical Devices Co., Ltd and Forefront Medical Investment Pte. Ltd. and Forefront Medical Investment Pte. Ltd. and Forefront Medical Technology (Jiangsu) Co., Ltd are ISO14001:2015, ISO45001:2018 and ISO50001:2018 certified. Forefront Medical Investment Pte. Ltd. additionally has a Class A, B, C, D Medical Device manufacturer license registered under Health Science Authority (HSA) Singapore. Forefront Medical Technology (Jiangsu) Co., Ltd additionally has a Class II Medical Device Manufacturing License in China. Arrow Medical Limited additionally is EN 13795-1 certified.

Financial Information

VICPLAS INTERNATIONAL LTD



Financial Overview

- 1H2024 revenue decreased by 23.1% and net profit after tax decreased by 91.1% as compared to 1H2023, while Adjusted EBITDA decreased by 45.9% to \$\$4.0 million compared to 1H2023
- Net profit margin decreased by 3.4 percentage points to 0.4%
- Medical devices segment's revenue decreased by 33.1% in 1H2024 and segmental results decreased by 163.2% to a loss of \$\$1.6 million
- Pipes and pipe fitting segment's 1H2024 revenue grew by 1.7% and segmental results increased by 30.7% to \$\$4.1 million

Group

\$\$'000	1H2024	1H2023	% Change
Revenue	51,057	66,413	-23.1
Net Profit before Tax	277	3,294	-91.6
Net Profit after Tax	224	2,503	-91.1
Net Profit Margin	0.4%	3.8%	-3.4 pts
Adjusted EBITDA ¹	3,989	7,380	-45.9

Segment

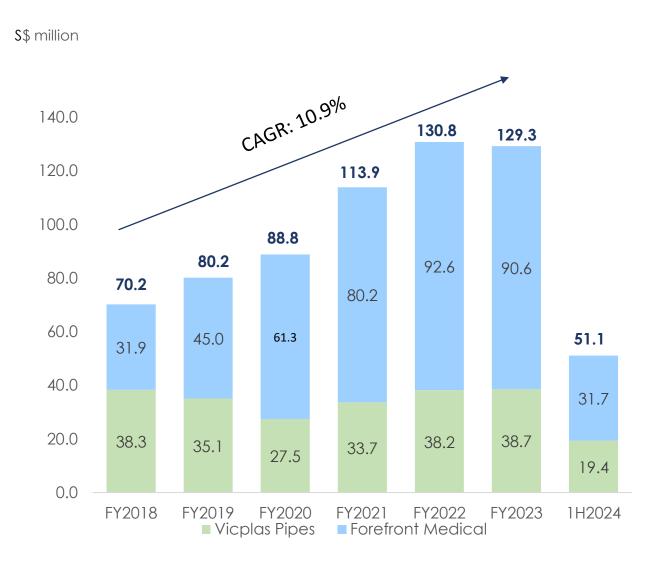
S\$'000		1H2024	1H2023	% Change
Medical Devices	Revenue	31,690	47,368	-33.1
	Segmental Result ²	(1,617)	2,557	-163.2
Pipes & Pipe Fittings	Revenue	19,367	19,045	1.7
	Segmental Result ²	4,097	3,135	30.7

¹Adjusted EBITDA refers to earnings before interest, tax, depreciation and amortisation; and excludes unrealised foreign exchange by adding back unrealised foreign exchange loss and deducting unrealised foreign exchange gain.

²The segmental result of the medical devices segment and pipes and pipe fittings segment are before corporate, interest and tax 5 expenses as set out in Note 4 of the Condensed Interim Financial Statements.

Revenue

- Over the past six financial years, the Group achieved revenue growth with a CAGR of 10.9%
- Forefront Medical still contributes more than 60% of Group revenue and the Group remains medical device-focused
- Forefront Medical's revenue was affected in 1H2024 as certain customers continued to adjust their inventory levels post pandemic leading to lower orders
- Vicplas Pipes, an industry leader in the supply of pipes and pipe fittings, recorded an improved performance in 1H2024 as the construction activities in Singapore improved
- Vicplas Pipes will help support the Group's performance as Forefront Medical further develops its capabilities and expands its production capacity to grow its market share in the growing MedTech contract development and manufacturing industry

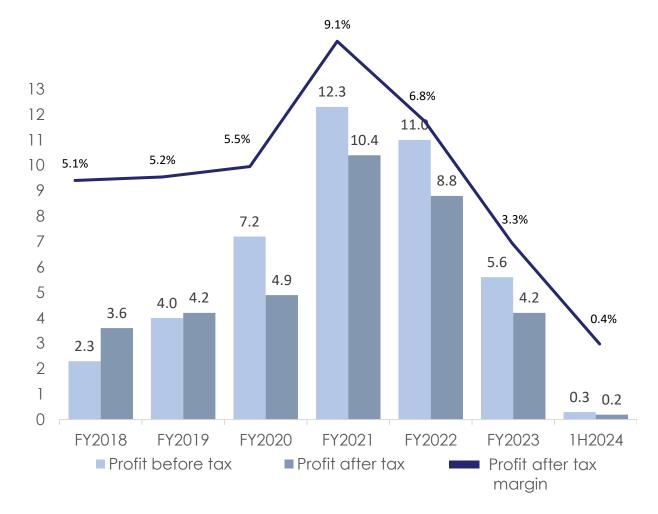


Profit

1H2024 profit performance compared to 1H2023 was impacted by:

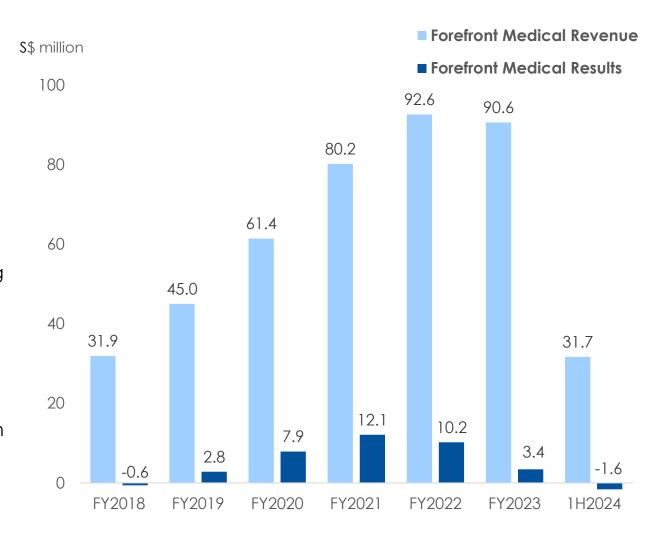
- 25.4% increase in other income mainly due to an increase in income from tooling, mould and maintenance services
- 21.5% decrease in raw material and consumables used due to the decrease in production activities
- 14.1% decrease in employee salary and benefits expense due to decreased headcount and overtime
- 26.3% decrease in other operating expenses mainly due to foreign exchange gain of \$\$1.0 million as compared to foreign exchange loss of \$\$1.0 million in 1H2023 and partly due to lower production activities that resulted in lower laboratory and testing costs, factory consumables and selling and marketing expenses





Segmental Result – Forefront Medical

- In 1H2024, Forefront Medical's revenue fell by 33.1% to \$\$31.7 million as certain customers continued to adjust their inventory levels post pandemic, leading to a reduced ordering situation
- The segment's results were affected by higher operating costs due to:
 - Costs associated with the Changzhou plant extension
 - Higher business development and marketing costs
 - Startup costs associated with the new Mexico plant
- All of which led to a segmental results loss of \$\$1.6 million for 1H2024



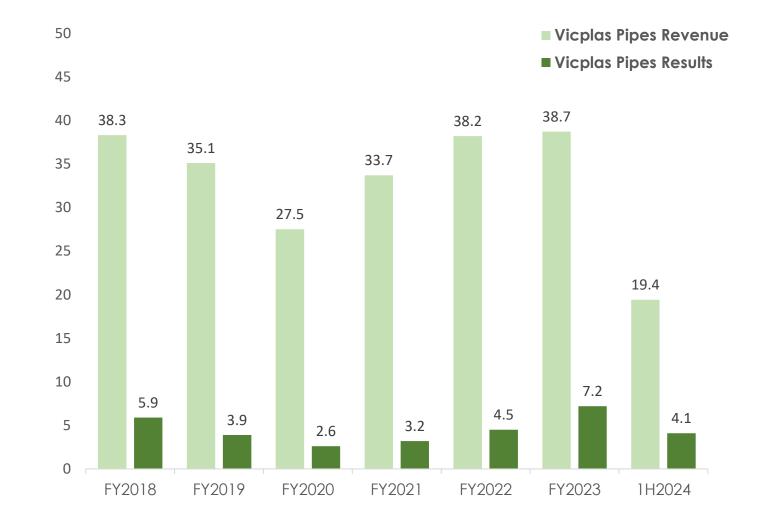
⁻²⁰

^{*}The segmental result of the medical devices segment and pipes and pipe fittings segment are before corporate, interest and tax expenses as set out in Note 4 of the Condensed Interim Financial Statements.

Segmental Result -Vicplas Pipes

- Vicplas Pipes' 1H2024 revenue increased to \$\$19.4 million as construction activities in Singapore improved
- Segmental results saw a 30.7% increase to \$\$4.1m due to cost and efficiency improvements in its manufacturing plants





^{*}The segmental result of the medical devices segment and pipes and pipe fittings segment are before corporate, interest and tax expenses as set out in Note 4 of the Condensed Interim Financial Statements.

Forefront Medical Devices

Presented by

Walter Tarca

Group CEO





POSITIONED FOR LONG TERM GROWTH





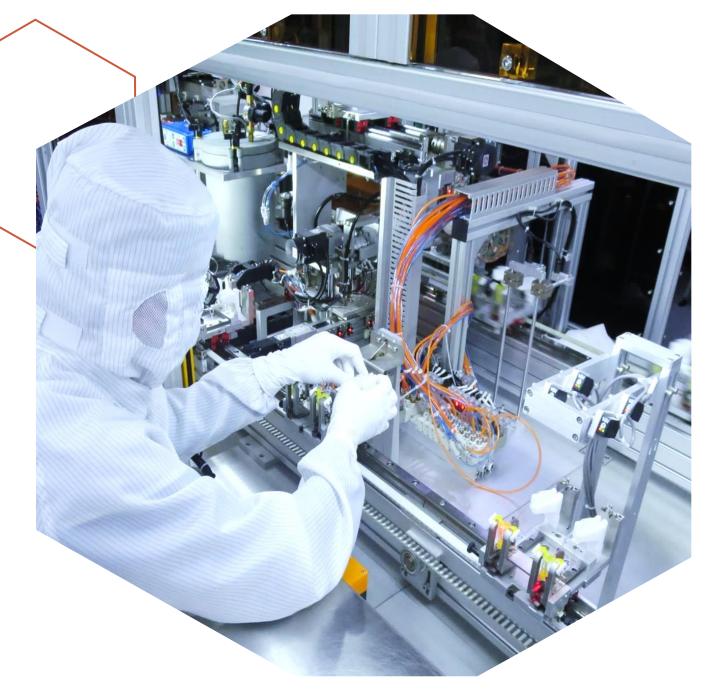
Our Vision

To be a leading global medical device manufacturing partner with solutions that are preferred by product owners

- 100% focused on manufacturing quality devices for the medical device industry
- Global customer base in five continents
- More than 800 employees
- Committed to providing our customers and their patients with :
 - innovative and cost-effective medical devices to enable continuous improvements in healthcare
 - > Supply chain resilience

About Us

Forefront Medical is a medical device specialist in the contract development and manufacturing industry(CDMO), offering industrial and product designs with strong specialisation in the electromechanical, injection and blow molding and extrusion fields together with an extended range of services and support to add value to our customers throughout the world and their patients.



Global Presence



Singapore - Corporate HQ



Xiamen, China



Changzhou, China



Plant Extension in Changzhou, China



Juarez, Mexico

Manufacturing Sites

- Singapore Corporate HQ (7,410m²)
- Xiamen, China (7,000m²)
- Changzhou, China (7,024m² + 7,000m² extension)
- Kington, UK (2,600m²)
- Juarez, Mexico (7,000m²) from 2nd half of calendar year 2024

Commercial Offices

- Singapore
- · Shanghai, China
- Connecticut, USA
- Kington, UK

Extensive In-House Capabilities: From Concept to Manufacturing



PediGuard for Spinal Surgery



Feeding PVC Tube with Tungsten



Laryngeal Mask with LSR Cuff



Reinforced Extruded Silicone Tube

Design & Development	Product Concept & RealisationElectronics, Software, Metal Parts		
Rapid Prototyping			
Plastic & LSR Tooling	In-house Toolroom & Design TeamInsert Mould	Micro Mould2K MouldStack Mould	
Moulding Capabilities	Wide Range of MaterialsInjectionExtrusion	Injection BlowExtrusion Blow	
Production	Cleanroom FacilityPilot/Trial Run	Low Mix High VolumeHigh Mix Low Volume	
Quality	• ISO 13485 • FDA 510K	CE MarkIQ/OQ/PQ	
Assembly	Manual AssemblyHigh Speed Automation		
Secondary Processes	Hydrophilic CoatingRF Tipping & Forming	Pad PrintingBonding & Welding	
Packing	Rigid BlisterSoft Blister	Tyvek PouchPallet Optimisation	
Sterilisation	• EtO • Gamma	AutoclaveE-Beam	

Our Medical Device Portfolio

- Vascular
- Pharmaceutical Bottles
- Surgical Devices
- Respiratory
- Orthodontics
- Patient monitoring devices

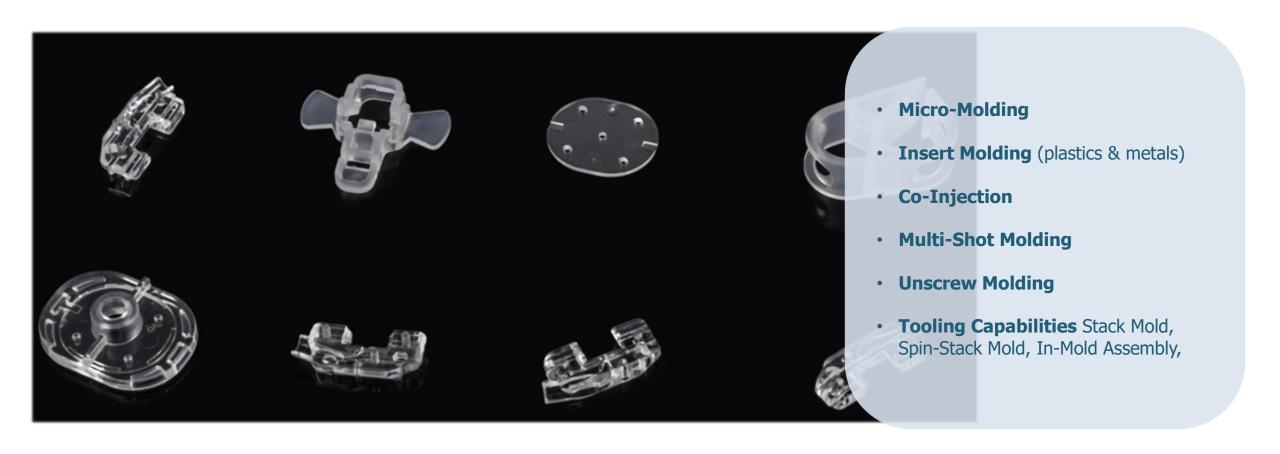
- Airway Management
- Cell & Gene Therapy
- Endoscopy
- Drug Delivery systems
- Diagnostics
 - Enteral feeding



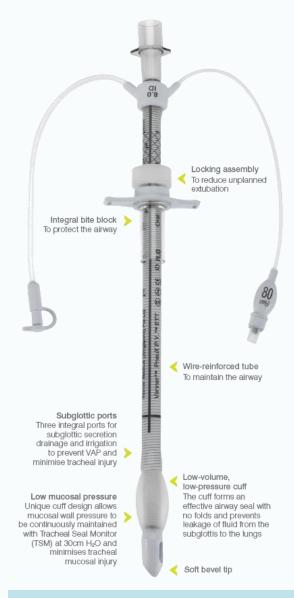
Bringing Medical Innovations to Life

Over 92% of our products are for one time only use and are fully completed products

INJECTION MOLDED MEDICAL COMPONENTS



LIQUID INJECTION MOLDING (LIM) & SILICONE RUBBER EXTRUSION MOLDING





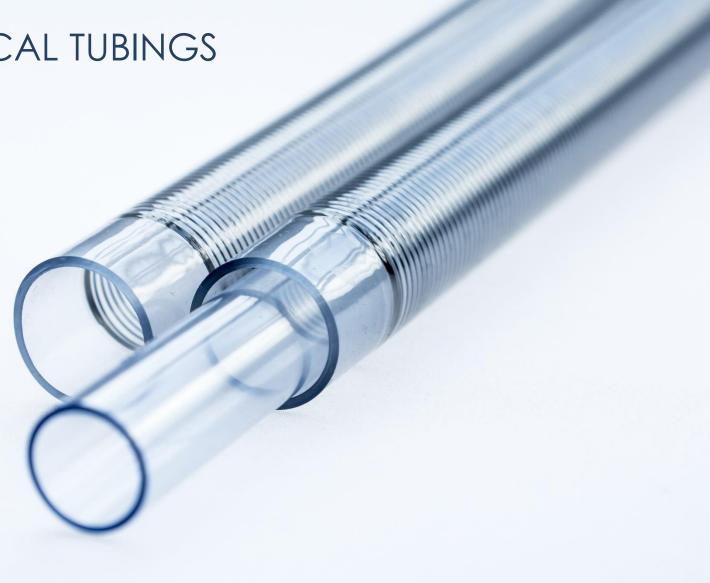
- 6 Vertical Injection
 Machine from Arburg &
 Jing Day
- Familiar with LSR resins from Key players of Wacker, Dow Corning & Momentive.
- LSR Resins from Shore A 3 to Shore A 80
- Controlled Room Operation
- Berstorff LSR Extrusion Molding Machine – HCR

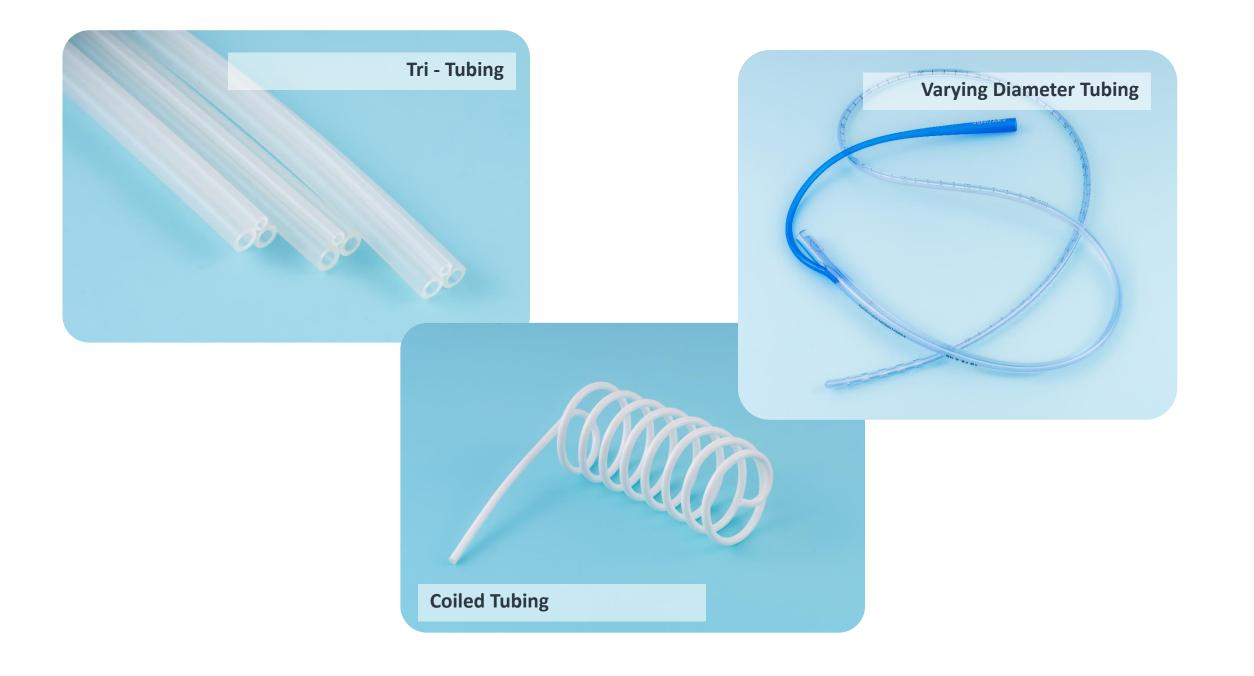
Reusable Endotracheal Tube

Reusable Laryngeal Masks



- Multi-lumen tubes
- Braided tubes
- Co Extrusion
- Multi Color/Layer Extrusion
- Small bore tubes (catheters)
- Spiral / Corrugated Tubes
- Specialty Tubes (Radio Opaque Additives added tube)



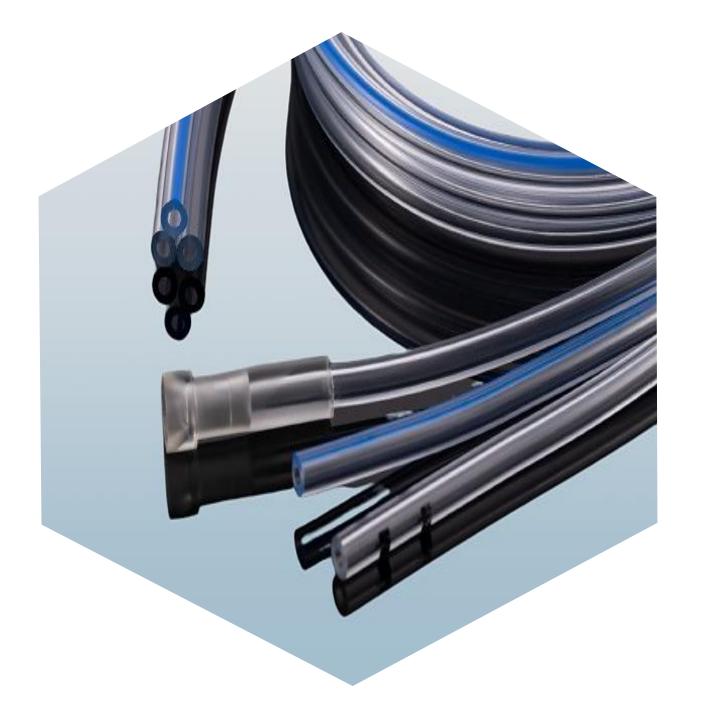


TRI TUBING SUB ASSEMBLY

Extrusion | Assembly

Secondary Processes Involved

- CYC Bonding
- Pad Printing





Nasal Spray Bottle

Product Development | Injection | Extrusion | Blow Molding | Assembly | Packaging | Sterilisation



FULL DEVICE - EMG ETT

CHINA MARKET AUTHORISATION HOLDER MODEL

EMG Endotracheal Tube is intended for use as a means of providing both an open airway for patient ventilation and for intraoperative monitoring of EMG activity of the intrinsic laryngeal musculature when connected to an appropriate EMG monitor.







FULL DEVICE - INFUSION SET

Injection | Extrusion | Assembly | Packaging | Sterilisation

FULL DEVICE - LARYNGEAL MASK

Injection | Extrusion | Blow | Assembly | Packaging | Sterilisation

Laryngeal Mask

a medical device that keeps a patient's airway open during anaesthesia or unconsciousness

Secondary Processes

- Assembly
- Shape Forming
- Pad Printing
- Adhesive/Solvent Bonding
- UV Curing
- Form, Fill & Seal



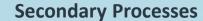
FULL DEVICE – SAFETY WING INFUSION SETS

Injection | Extrusion | High Speed Assembly | Packaging | Sterilisation

Secondary Processes

- Assembly
- Shape Forming
- Pad Printing
- Adhesive/Solvent Bonding
- UV Curing





- Assembly
- Hydrophilic Coating
- Adhesive/Solvent Bonding
- UV Curing
- Tyvek Pouch Packaging

FULL DEVICE - JEJUNAL & NASO GASTRIC FEEDING TUBE

Product Development | Injection | Extrusion | Assembly | Packaging | Sterilisation



Jejunal Gastric Decompression Tube

Designed for easy insertion through Bard Percutaneous Endoscopic Gastrostomy (PEG) Tube

FOREFRONT IN THE AI + ORTHODONTICS SPACE







TEXTILE MANUFACTURING













LIFE SCIENCE



Automag

Isolate T-cells from Donor.
Engineer T-cells to become mighty soldier to fight againts cancer

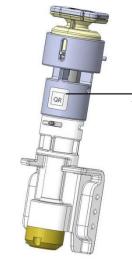


LIFE SCIENCE



Mavericks

Xenon 1ml a.k.a Single Shot



Plastic Molding

Majority of the Plastic Components are produced in Forefront Xiamen

Gold Plating

Some of the metal parts are Gold Plated to ensure that there is no reactive between the metal and cells

Tubing Connection

Forefront have acquired various ways of Tubing Connection via this project.

Helium Leak test

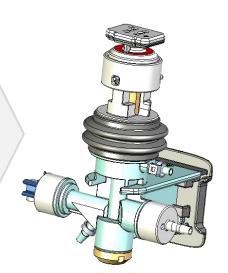
Most Stringent leak testing method in Forefront so far.

Manufacturing Processes in Forefront Medical Technology



Mavericks

Xenon 5-25ml a.k.a Multi Shot





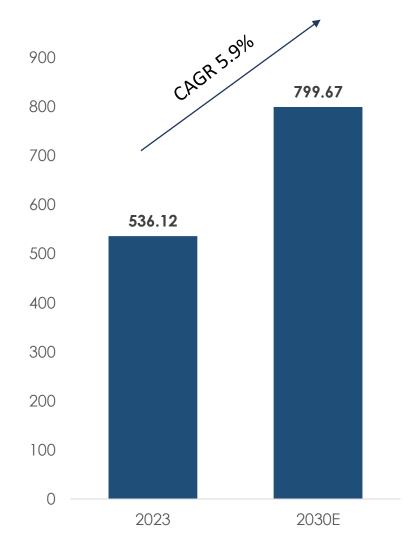
Opportunities in Medtech Industry

The global medical devices market is projected to grow from \$536.12 billion in 2023 to \$799.67 billion by 2030 at a CAGR of 5.9% during the forecast period.*

Key drivers:

- Growing prevalence of chronic diseases and increasing emphasis of healthcare agencies toward early diagnosis and treatment
- Rise in number of inpatient admissions and increasing number of surgical and diagnostic procedures
- Rising investments from leading healthcare market players and medtech companies for R&D and favourable scenarios provided by regulatory authorities

Global Medical Devices Market Size (in USD Billions)



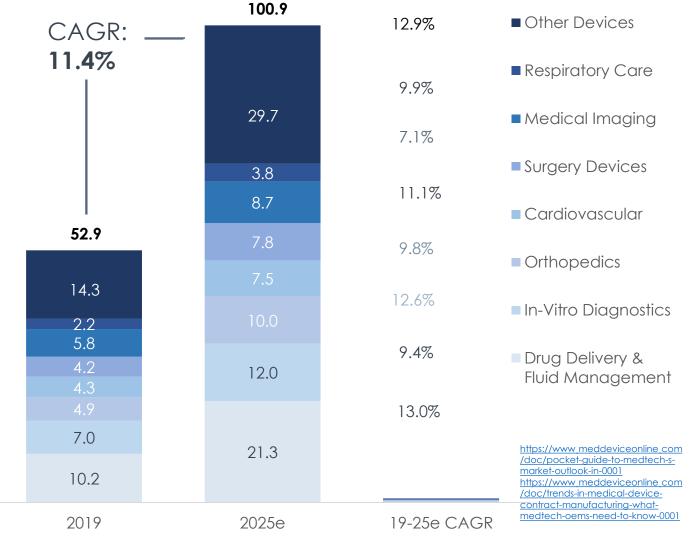
Contract Dev & Manufacturing Market is Growing

The MedTech contract development and manufacturing organisation (CDMO) market is expected to grow by an average of 11.4% year-on-year through 2025.

Key drivers:

- Ageing population
- Increased demand for improved healthcare in developing markets
- Continued willingness by product owners to outsource manufacturing to trusted partners that can fully support product and process innovation in the right geographical locations

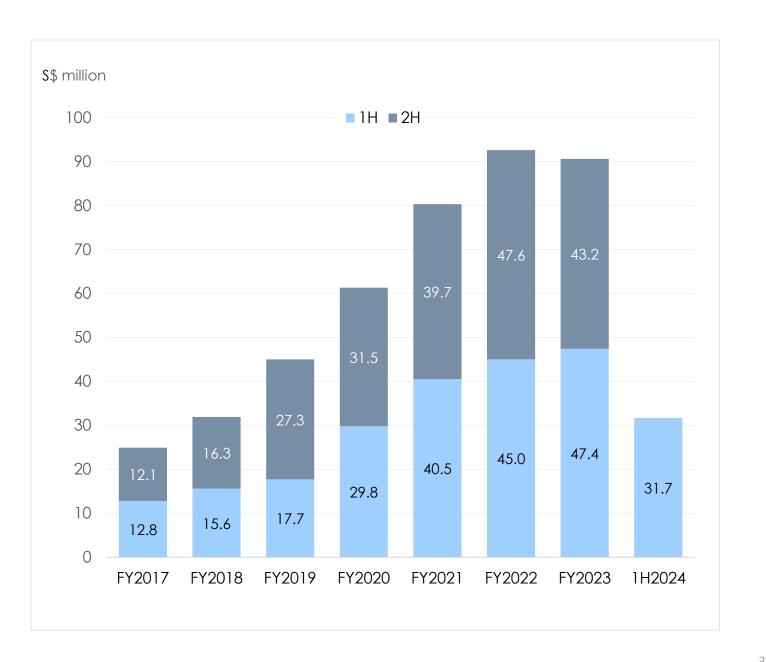
MedTech CDMO Market by Application: 2019-2025e (US\$B)





- 1H2024 results were negatively impacted by certain customers rebalancing their inventories as they clear excess stock that may have been ordered as safety stock during the uncertain days of the pandemic. This led to a reduction in new orders and this temporary phase will continue until their inventory levels have stabilised
- There were also increased operating expenses such as the Changzhou plant extension operating costs, business development costs, marketing initiative costs and startup costs related to the new Mexico plant
- Segment continues to focus on building up new capabilities and developing the new Mexico plant to improve collaboration and offerings to its global customer base
- Mexico plant has been handed over and is currently in the midst of an internal fitout which includes clean rooms
- Onboarded additional technical staff in China and Singapore to meet future demand for new project commercialisations from customers

WE AIM FOR SUSTAINABLE LONG TERM GROWTH



Achieving Our Vision: Strategic Intent

To improve profitability by delivering great solutions for our customers and building sustainable value for all our stakeholders



Strategic Priorities



Accelerate Capital Investments

- Broaden global manufacturing footprint to satisfy demand and improve flexibility of supply chains for new and existing customers
 - Changzhou extension completed & utilisation improving
 - Juarez, Mexico plant progressing well



Drive Capability Improvements & Innovation

- Build expanded capabilities in medical extrusions, cell and gene therapy and electromechanical devices to strengthen new revenue streams
- Continue efficiency improvements and cost reductions at all manufacturing locations



Build A High Performance Team To Drive Growth

- Continue to develop and provide opportunities for our highly engaged & tenured team
- Invest in additional MedTech talent pool to drive new revenue streams and manage growth

Business Outlook

- Segmental revenue expected to remain constrained as rightsizing of customer inventories is still in progress
- After this phase is over, segment will be well-positioned to further grow its global customer base in key markets such as USA, Europe and Japan, and expand its capability to service new projects for the China market
- Segmental result may also be impacted by higher operating costs, inflationary pressures and higher development and expansion costs
- Long term prospects remain bright as segment continues to prioritise new capabilities, expand its manufacturing footprint, investment in sales & marketing resources, and continue to make targeted efficiency improvements
- Cautiously optimistic but keeping a vigilant watch on challenges that may arise from uncertainties in the global macroeconomic environment, plus ongoing inflationary and interest rate pressures



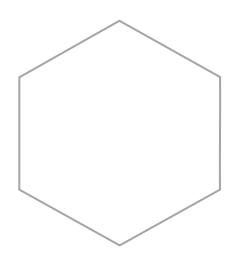
Vicplas Pipes & Pipe Fittings

Presented by

Jay Cheng

Group Operations
Director





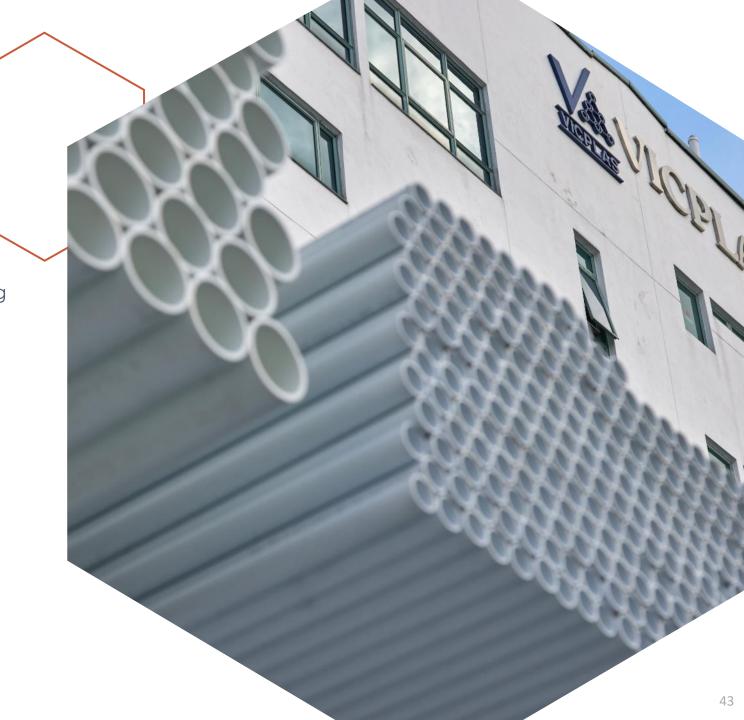
A SUSTAINABLE BUSINESS

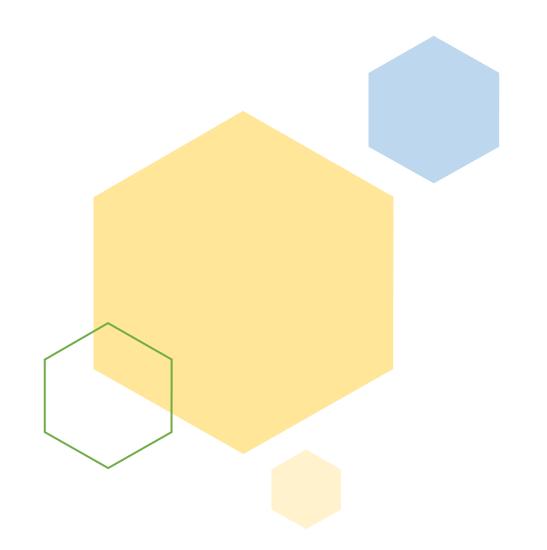


About Us

Vicplas Pipes is a leading solutions provider in the plastic pipe manufacturing industry. Our uPVC piping systems are found in a majority of residential homes across Singapore. Our market leadership is built on the quality and reliability of our products. They are commonly found in:

- Plumbing and Electrical Works across residential, commercial, institutional, industrial and other buildings
- Civil Engineering Works ranging from telecommunication and power grid pipelines to infrastructure works





Delivering Green and Innovative solutions beyond the built environment

Driving us forward

Industry Leader in the built environment



- SGBP Green Mark Scheme 4th Green Marks accrue the maximum point rating for products used towards the project's Green Mark Rating
- 4th Green Marks achieved Vicplas is now the recognised industry leader for waste and potable water piping systems
- Also the 1st uPVC pipes and pipe fittings producer in Singapore to be Green Mark certified
- 4th Green Marks creates new opportunities for Vicplas pipes to expand beyond Singapore as the built environment regionally adopts green certified products more widely

Core Capabilities



Product Design

Develop practical, cost-efficient solutions that evolve with the changing needs of customers

Processing Techniques

Proficient across a range of polymer processing techniques and able to offer injection, extrusion, thermal forming and fabrications

Tool Fabrication

Equipped with inhouse mould design and fabrication capabilities

Materials Know-how

Extensive working knowledge of polymeric materials such as engineering plastics, specialty elastomers, composites and more

Value Proposition To Customers



Solutions Provider

Proactively look for new product development opportunities to fill industry gaps and meet emerging needs

Product Reliability

Conduct regular quality checks to ensure that products meet stringent quality and regulatory requirements

Research & Development

Constantly explore new possibilities in the design and manufacture of our products

Operational Efficiency

Invest in new technologies and improve existing process to enhance operational and manufacturing efficiency

Green Initiatives

Contribute to a cleaner and greener future by developing environmentally friendly products

Application



Buildings

- Residential homes
- Commercial/Institutional buildings
- Industrial and others



Hydro-agriculture

- Irrigation pipelines
- Grow Channels





- Power gride pipelines
- Infrastructure works





- Segmental revenue in 1H2024 increased by 1.7% to \$\$19.4 million from 1H2023 as construction activities in Singapore improved
- 1H2024 segmental result saw a 30.7% increase to \$\$4.1 million as compared to 1H2023 due to cost and efficiency improvements in its manufacturing plants

Business Outlook

- Well-positioned to meet the increase in demand from public housing to be launched over the next few years
- Leveraging manufacturing presence in Singapore coupled with diverse range of high-quality products certified with 4 Green Marks from the Singapore Green Building Council, segment is well positioned to support customer requirements
- Continue to focus on civil engineering projects driven by demand from infrastructure works for upcoming residential and mega projects in Singapore and product expansion beyond the built environment
- Although the segment is expected to record sales from the greater activities in the built environment, it continues to face challenges from intensified competition, cost pressures and credit risk exposures



