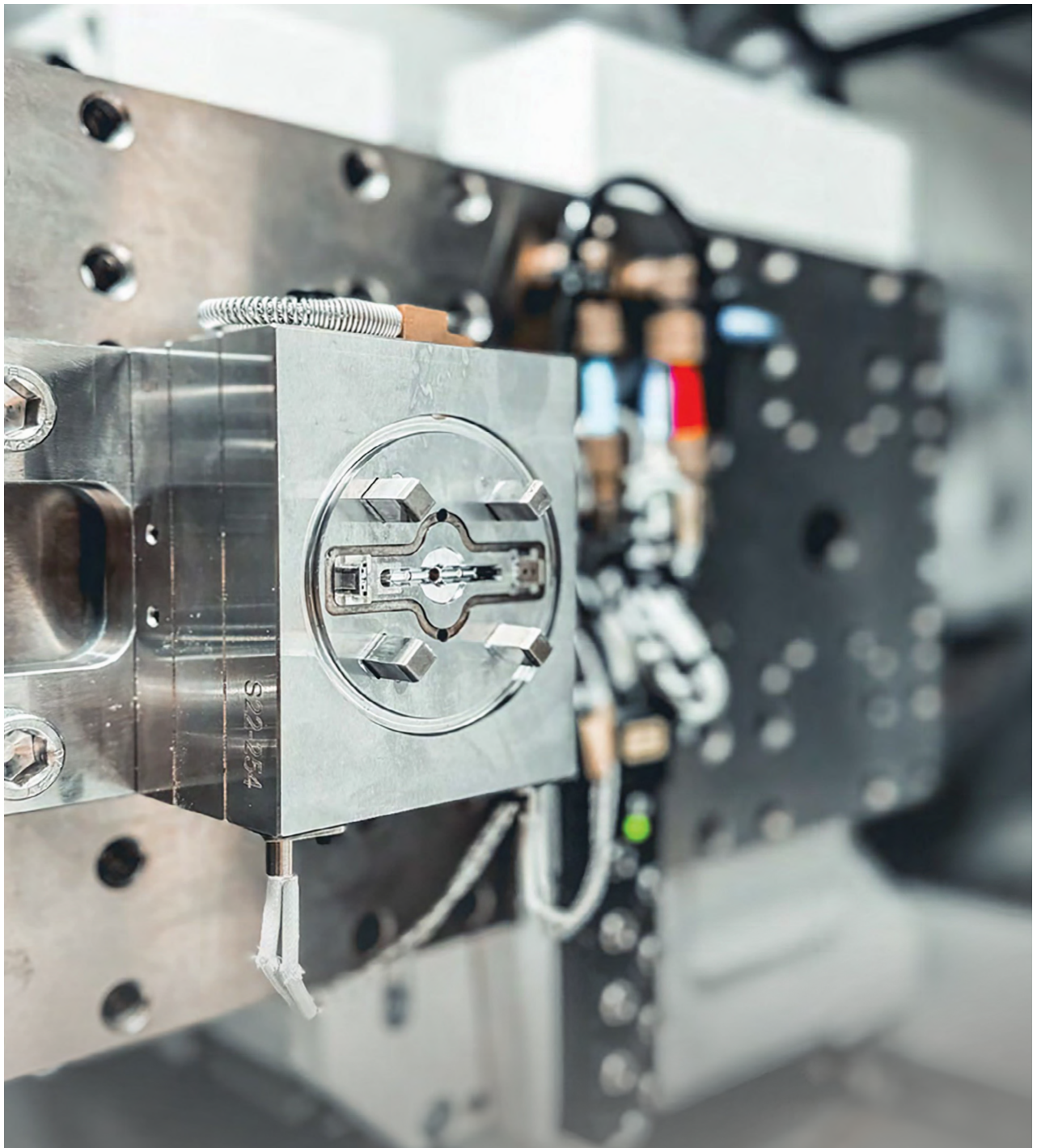


Shaping Possibilities



AMT Precision is a division of a contract manufacturing company specializing in providing design and fabrication of precision tooling, cleanroom injection molding and precision CNC machining services.





With the integration of AMT and Yixin Precision Engineering, AMT Precision division provides a one-stop contract manufacturing services including design, engineering and production of ultra-accurate plastic components for mission-critical applications.

With the extended capability in micro-molding technology, we deliver micro-tolerance, high-performance plastic components that meet the most demanding specifications.

Mold Fabrication

With more than 35 years of experience in the manufacturing environment, our team of engineers can help you drive innovation and bring your concept to production.



Our expertise includes:

- Advanced CAD-based mold design optimizing flow, gating, and ejection.
- Moldflow® simulation to predict flow and reduce warpage, sink marks, and weld lines.
- Expertise in micro-channel mold design and fabrication (<100µm).
- Proven capabilities in micro-molding and high-cycle, high-cavity tooling.

Cleanroom Plastic Injection

AMT Precision delivers high-volume, precision plastic injection molding in an ISO Class 8 cleanroom, ensuring a clean, repeatable process that complies with stringent medical regulations.



Key capabilities:

- High-volume, cost-efficient mass production with fast cycle times.
- ISO 13485—certified manufacturing for biocompatible medical components.
- ISO Class 8 cleanroom production to prevent contamination and maintain strict cleanliness standards.
- Advanced insert molding and overmolding (plastic over metal, aluminum, and copper).

Precision Machining

With the facilities in Singapore and China, AMT has a wide range of CNC machines to manufacture highly intricate and precise components. With our digitalization and automation solutions, we ensure efficient and faster time-to-market for our customers.



Types of CNC machines:

- Cylindrical grinding
- Surface grinding
- Honing
- Hard-turn CNC turning
- CNC milling with 3, 4 and 5 Axis
- CNC drill and tap
- Wire cut
- EDM

One-stop Solution

At AMT, we provide one-stop solutions for our customers by provided value-added services. This helps to lessen customers' pain points by eliminating the need for customers to go to multiple providers for all your needs.

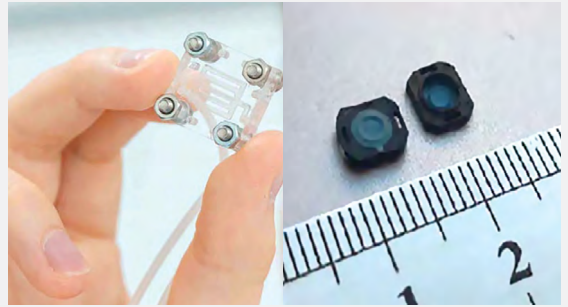


Value-added services include:

- Heat treatment
- Spray painting
- Passivation
- PVD coating
- Anodising
- Laser marking and welding
- Ultrasonic welding

Micro-Molding Capability / Technology

AMT delivers one-stop micro-molding solutions with value-added services to transform micro-scale concepts into high precision reality to meet the increasing demand for innovative solutions.



Key capabilities of micro-molding:

- Ultra-miniaturized molding for features <1mm or part weight <1g, with ultra-small runner <0.5g.
- High-precision molding with tolerances down to $\pm 5\mu\text{m}$ for consistent mass production.
- Expertise in highly intricate parts with complex geometries and ultra-thin walls down to $25\mu\text{m}$.

Plastic Resin Types

AMT supports a broad range of industrial and medical-grade resins to meet performance, compliance, and application requirements.



Types of resin:

Industrial Polymer

- High-performance: LCP, PEEK, POM, ULTEM
- Nylons: PA6, PA66
- Elastomers: TPE, TPU
- Glass-filled: PBT GF30, PC GF10, PC-PBT

Medical Polymer

- General: PP
- Clear rigid plastics: PMMA, COP / COC / TPX
- Styrenics / modified styrenics: MABS, MBS, SBC

We are Committed to Excellence

In-house team of designers, engineers, machinists and managers focused on production and customer service details.



Flexible Modern Manufacturing

Award-winning metal manufacturing matched with state-of-the-art innovation to meet today's demands.



One-Stop Solutions

We are able to provide one-stop solutions from DFM, mold flow simulation, prototyping, mass production to assembly services.



Quality Assured Manufacturing

With more than 35 years of manufacturing experience and adhering to stringent process controls and quality system, we are able to deliver quality parts to all our customers.



Innovation

We provide innovative solutions through optimized injection molding processes and material applications, delivering compelling value to our customers



Production Efficiency

Smart engineering and rapid prototyping that optimizes overall manufacturing operations.



Compliance

Our ISO 13485, ISO 9001, ISO 14001 and IATF 16949 ensure products of the utmost quality are delivered each and every time.



Shaping
Possibilities



AMT PTE LTD

T +65 6865 5700 E contact@amt-mat.com W amt-mat.com

3 Tuas Lane Singapore 638612

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