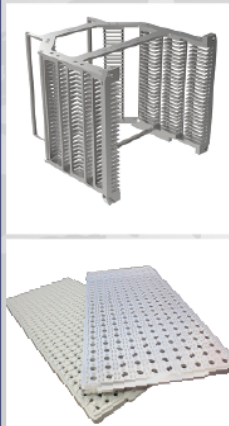


CNC Machining
Sheet Metal Fabrication
Surface Treatment
Cleanroom Cleaning & Packaging

- CNC Milling & Turning
- Wire EDM
- Fiber Laser Cutting
- Metal Stamping
- Assembly Welding



VISIT OUR WEBSITE



ALL INQUIRIES & RFQs

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🌐 www.histotech-eng.com

**HISTOTECH
ENGINEERING
SDN. BHD.**



Ambition. Creation.

MATERIALS

Aluminium
6061/5052/7075/2017 etc.

Steel Alloy
1045/4140/4135
D1/D2/A2 etc.

Copper & Brass

Stainless Steel
304(L)/316(L)
303/404C/420
15-5PH/17-4PH etc.

Plastics

Others

-C11000/C51900/C17200/C36000 etc.

-POM(Delrin)/PEEK/PAI(Torlon)/PEI(Ultem)
Nylon/PTFE/Rulon/Turcite etc.

-Titanium (Gr. 2/5)/Inconel/Ceramics (Alumina, Zirconia, SiC)

INDUSTRIES



Semiconductor



Life Sciences & Medical



Industrial Equipment



Custom Engineering Projects

DELIVERY

GET IT QUICK!
We ship everyday!



AIR

Fast & Reliable

BULK SAVINGS!
Ideal for a large volume!



OCEAN

Economical & Efficient

5 days - 3 weeks

4 - 5 weeks

6 weeks

*to NZ, AUS, EU & US

COMPLETE ASSEMBLY PROJECTS



The Client

A leading company specializing in complex rehabilitation equipment.

Our Integrated Solution

From Parts Supplier to Project Partner

We proposed a turnkey solution, transforming their complex supply chain into a single, streamlined project managed entirely from our Penang facility.

Single Point of Contact

We took full ownership of the mechanical system, becoming the sole partner responsible for the entire submodule build, from sourcing to final testing. We acted as their strategic sourcing agent, leveraging our trusted local network to procure high-quality standard components from specialist suppliers, ensuring both quality and supply chain resilience.

We manufactured all 300+ of high-tolerance mechanical components in-house, including the CNC-machined structural frame and sheet metal.



Submodule Assembly



Full System Build-Up



Integration Testing

MACHINERY

CNC Milling	32
CNC Turning	8
Wire EDM	3
Fiber Laser Cut	3
Metal Stamping	19
CMM & IDMS	2

CAD/CAM SYSTEMS

Solidworks (Dassault Systemes)	8
Mastercam (CNC Software)	4
Autocad (Autodesk)	1

ADDITIONAL DETAILS

TOLERANCE:
±.002in (±.005mm)

PRODUCTION VOLUME:
From Dozens to Thousands

Full Assembly & Integration Testing

Our dedicated assembly team built the complete mechanical submodule. Importantly, we collaborated with the client's engineers to develop custom test jig and a integration testing protocol to validate function, accuracy, and overall mechanical performance before shipping.

The Results

A Partnership That Delivered

✓ **Simplified Supply Chain**

The client reduced their vendor management from 10+ separate suppliers to 1 single strategic partner—us.

✓ **Accelerated Time-to-Market**

By eliminating logistical bottlenecks and integration issues, we helped them reduce their product launch timeline by 3 months.

✓ **Reduced Costs**

Centralizing procurement and assembly in Penang lowered their overall logistics and quality assurance overhead by over 50%.

SKILLED, EXPERIENCED & DEDICATED

180 Employees
(Aug 2025)

20+ Engineers & Designers

(Young engineer, leadership from different background, culture, industry...)



A team rigorously trained in Lean Manufacturing and Six Sigma principles, focused on maximizing efficiency and eliminating defects in your project.



Rely on a data-driven team that utilizes Statistical Process Control (SPC), Manufacturing Execution System (MES) to monitor, control, and continuously improve manufacturing processes for ultimate consistency.



A team that embraces Kaizen, a philosophy of continuous improvement, meaning we are always seeking new ways to bring more value to your products and processes.



Empowered by a "first time right" quality mindset that is ingrained in every employee, from machine operators to the leadership team.