



WELCOME TO LEE HENG HIGH PRECISION ENGINEERING SDN BHD

OVERVIEW

Lee Heng offers a precision engineering service that ensures both quality and versatility when delivering on varying customers' requirements, across a wide range of industries. A partnership with Lee Heng promises a wealth engineering knowledge and experience, combined with an ambition to provide a forward thinking solution whenever necessary, in order to produce the best possible result for the customer and maintain our loyal customer base.

Your Product Innovation & Environmental Eco Partner

Smooth Product Transfer From Prototyping To Mass Production

Mechanical Product design and prototyping

Industrial, mechanical, electrical design skills all in house

Project management for single point of responsibility

Design with consideration and experience of manufacturing

Green manufacturing at all stage of product development

A Long Term Partner For Your Manufacturing Needs

Constant growth development in adapting the rapid change of technology

Privately owned and independent

Strong commitment to investment in technology

Fast and flexible decision making

ABOUT US

WE ARE MORE THAN JUST MACHINING MAKER

Over the years track record, Lee Heng High Precision specializes in manufacturing a wide variety of high precision metal & plastic components that require a high degree of accuracy and durability which are used in office equipment, industrial appliances, electronics & Telecom Industrial, medical instruments, light & heavy duty power tool, Oil & Gas industrial, automotive, aerospace & Defence. With a wide range of machining capability from 0.5mm ~ 300mm is to cater to stringent requirement from various industries

Established in 1995, Lee Heng High Precision started from humble beginning at rented premises with just 2 units of auto lathe machines. With unwavering support from our customers, we grew steadily into what we are today, a respectable entity and owned 20,000 square foot premises with equipped more than 100 units of machineries and enrich of skilled human resources.

OUR VISION

LHHP aims to be a global prestigious player in precision engineering of Metal Component which based on LHHP Core Value

OUR MISSION

Our mission is to be your strategic partner by providing the most beneficial engineering solution through delivering of Q, C, D, C principle.



OUR COMMITMENT

- .**Quality:** Never compromising on quality
- .**Cost:** Always review the cost structure to keep the market competitiveness & interest
- .**Delivery:** On time delivery to meet customer expectation without failure
- .**Communication:** Always touching customer, supplier, related sectors through all the possible communication channel

MILESTONE

Year 1992

Lee Heng High Precision Engineering Work was established with only 2 units of Auto lathe machine

Year 1995

Lee Heng High Precision Engineering Sdn Bhd incorporate with owned factory 3,200sq feet factory lot with 10 units auto lathe machines

Year 1996

Rented 2nd factory lot by 3,200 square feet with 20 units auto lathe machines and 1 unit of CNC lathe

Year 1999

Factory started expanded into 3rd factory which most focus on secondary process

Year 2002

Merged 3 factories into 1 Semi- detached factory lot with 20,000sq feet

Year 2002

Diversification into Screw & fastener production

Year 2004

Certified of BS EN ISO 9001 by Moody

Year 2007

Certified of BS EN ISO 14001 by Moody

Year 2009

Diversification into terminal connector pin section

Year 2012

Expansion continuously for CNC section and start to transform & invest into automation section

Year 2013

Expansion continuously for screw section and main process section

Year 2014

Expansion for CNC section to cater for automotive, aerospace, oil & gas industry.

Factory in renovation and expansion

Year 2015

Office under renovated to be more presentable

QUALITY POLICY

To deliver excellent quality products to meet the customers' requirement and satisfaction through continual improvement of its Quality Management System.

ENVIRONMENTAL POLICY

Compliance : Commit to comply with all the relevant environmental laws and regulations.

Prevention of Pollution : To reduce or if possible to eliminate environment hazardous substances.

Continual : Continually improve the Environmental Management System by regularly assessing our environmental performance and programs.

SOCIAL RESPONSIBILITY & BUSINESS ETHICS

LHHP is also committed to ensuring a high standard of ethical and environmental trade practices, with uncompromising integrity, providing a safe, clean, fair working environment including practicing of RoHS, Reach, EICC, CSR compliance within its entity and also across its global businesses and expects its suppliers to demonstrate a similar commitment to ethical and environmental best practice.

CAPABILITIES

We aim to meet any precision engineering requirement of our clients with constant investment in the latest milling and turning equipment in the market and ongoing training for our team.

Our manufacturing area is equipped with the latest manufacturing technology and we regularly acquire new machines to remain at the cutting edge. This includes numerous multi axis CNC machines, Grinding machines, forging machines, Automation machines, punching machines & Forming machine as well as fabrication and Flexible Manufacturing Systems with the capability of working unmanned and of very high specifications.

CNC machining workshops are only as good as their capability and we constantly work to expand and improve on ours, with it now including the very latest CNC turning center.

As one of the leading CNC engineering companies, we believe in building long term working relationships with clients and can only expect them to return to us if we can offer them completely bespoke freedom in their component and part design.

MATERIALS

We are strong in global supply chain network. All material is purchased from approved vendors ensuring it meets customer's material and quality specifications with total material traceability through our production control system. While we source and supply material for the majority of our orders we are also able to operate with free issue material if that is preferred by the customer. We have developed the expertise to machine various materials based on industry and customer requirements. Our engineering team constantly improves the way we manufacture hi spec products of different materials & form (bar, plate, block, tube & etc.), achieving high accuracy machining even to tight tolerances. Some of the materials we manufacture are shown below:

Special Steels Alloy - Stainless Steels - Nickel Alloys
Aluminum Alloys - Copper, Brass and Bronze Alloys - Nickel Silver
Aluminum Bronze - Engineering Plastics - Cast Iron
High Tensile Steel - Mild Steel - Free Cutting Steel And More...



SERVICES

PROTOTYPING SAMPLES

LHHP was originally created to support the prototyping and rapid response required by its customer base offering both manufacturing and design services

ENGINEERING CONSULTANT & SOLUTION

For bespoke electrical & mechanical machinery, with LHHP in house Fabrication and CNC machining capabilities along with our partnerships with top quality electrical fitters and control system integrators, we can provide with a full turnkey solution.

PRODUCT IMPROVEMENT ACTIVITIES

LHHP is strike to eliminate waste from our operations to increase efficiency, reliability and reduce costs thus ultimately improving customer value as well as driving our competitive & advantages.

SUB ASSEMBLY

LHHP has a dedicated team of assemblers and can fulfill your needs for a wide range of requirements. From multi-level assemblies, welding to electronics, and beyond, LHHP stands ready to serve.

COSMETIC TREATMENT ONTO PRODUCT

LHHP was created to support the surface treatment onto product by its customer base offering as:-

- ☒ Acid-cleaning, pickling and passivation
- ☒ Phosphating
- ☒ Zinc chromating / Nickel (electro/ electroless) Plating
- ☒ Tin / Silver / Gold / Multi-Layer Painting
- ☒ Coating / Panting
- ☒ Sand Blasting / Buffing / Polishing
- ☒ Heat treatment
- ☒ And More...

OUR CAPABILITY

- ☒ General Capacity = 8~10 tons/month
- ☒ Capability = Dia 1mm ~ 300mm
- ☒ Length Range = up to 1500mmL
- ☒ Turning Accuracy = Max 0.006mm

CNC DEPARTMENT

- 3 units of Tsugami CNC auto lathe machine
- 6 unit of CNC Turning machine
- 2 units of CNC Milling machine
- 2 units of 12" Turning & Milling



OUR CAPABILITY

- ✧ 8 Units of thread rolling machine
- ✧ Capacity = 15 Million/Month
- ✧ Capability = M1.6 ~ M6
- ✧ Length = Up to 76mmL

SCREW DEPARTMENT

- 6 Units of punching / heading machine
- Capacity = 15 Million/Month
- Capability = Dia 1.0 ~ 12.5mm



OUR CAPABILITY

TERMINAL PIN DEPARTMENT

- ☒ 3 units of heading & slotting machine
- ☒ 2 units of knurling machine
- ☒ Capacity = 3 Million/ Month
- ☒ Capability = Min Dia -0.6mm ~ 2.0mm



QUALITY ASSURANCE

QUALITY MANAGEMENT SYSTEM

Our team is fully committed to a total quality management and continuous improvement philosophy. It begins with the careful review of project specifications and the exhaustive inspection of first article components, and continues to the ongoing evaluation of finished product.

- Full traceability of materials used
- Full article inspection reports
- Certification of conformity provision
- PFMES's control plan & process flow chart
- Comprehensive quality assurance system
- Guaranteed high quality products

INSPECTION & EQUIPMENT

- Ensuring the accuracy of precision engineered components is critical for their application in most circumstances; we provide full inspection of our own components and those made by others.
 - Quality permeates everything we do, from materials grade checking at goods inwards right through each part of the design, development and production processes, to final quality testing at each phase.
 - We inspect raw materials, processes and final products to ensure we meet our customer requirements.
- We demonstrate full traceability of materials and processes and providing detailed reports to prove that our processes are carried out as per customer requirements. All relevant documentation is held on our ERP database and can be issued on dispatch of products if required.

OUR CAPABILITY

- ❑ General Capacity = 12~15 tons/month
- ❑ Capability = Dia 1mm ~ 42mm
- ❑ Length = Up to 333mmL
- ❑ Turning Accuracy = 0.03mm

MAIN PROCESS

- 5 units of #20 auto lathe machine
- 26 units of #15 auto lathe machine
- 1 unit of #40 auto lathe machine
- 5 units of Shimamoto auto lathe machine



COMMON PRODUCT

Shaft, Clinching Nut, Stand off, Brass Nut, Etc



QUALITY MEASUREMENT EQUIPMENT

PROFILE PROJECTOR



VIDEO MEASURING SYSTEM



VIDEO MEASURING SYSTEM



HARDNESS TESTER

- Height Gauge
- Various Pin Gauges & Thread Gauges
- 3 Points Micrometer
- And More.....





ROHS DIRECTIVE - 2011/65/EU

- As a manufacturer of precision component, LHHP's products need to be compliant with certain requirement such as the ROHS directive from incoming purchase until end customer's delivery.
- LHHP practiced random checked on RoHs compliance status by quarterly at planned interval for raw material & finished goods at least 3 times each by sending to external accredited laboratory test.
- The following elements are hazardous to human health and need to be eliminated on any product being produced.

	Max Concentration Value	PPM
Cadmium (Cd)	<0.01%	<100
Lead (Pb)	<0.1%	<1000
Mercury (Hg)	<0.1%	<1000
Hexavalent Chromium (Cr6)	<0.1%	<1000