



MECHTECH COMPONENTS AND SERVICES PVT. LTD.

PRECISION MACHINED COMPONENTS
&
SUB - ASSEMBLIES

MANUFACTURING | SOURCING | SERVICES

A Trusted Partner For High Precision Machined Parts For Global OEMs

ABOUT MECHTECH

With 40+ years of the founder's experience in manufacturing and supply chain management, **MECHTECH COMPONENTS & SERVICES PVT. LTD.** has established itself as a reliable manufacturer and exporter of **precision machined components and sub assemblies.**

Founded in 1988, the group has steadily grown with a strong focus on quality, process discipline, and continuous improvement. We specialize in manufacturing high accuracy components from **bar stock, forgings, and castings**, delivering consistent performance across demanding industrial applications.

Strategically located in **Rajkot, Gujarat (India)**—one of India's prominent engineering and manufacturing hubs—MechTech represents Indian precision manufacturing capabilities on the global stage.

Our operations are driven by a **customer centric approach**, ensuring the perfect **balance between quality, cost, and delivery**, and creating long term value for our customers worldwide.

INFRASTRUCTURE

Manufacturing Area
18,000+ sq. ft.

Equipped With
43 Machines

- ✓ CNC Turning
- ✓ CNC Milling
- ✓ Polygon Machining
- ✓ Cylindrical Grinding
- ✓ Circular Saw Cutting
- ✓ Hydraulic Presses
- ✓ Special Purpose Machines (SPMs)



PRECISION MACHINING CAPABILITIES

Our machining capabilities support a wide range of component sizes and complexity levels:

01 Turning Capacity up to $\text{Ø}550 \text{ mm} \times 800 \text{ mm}$ length

02 Milling Capacity up to $800 \times 500 \times 500 \text{ mm}$

With achievable tolerances up to $\pm 0.005 \text{ mm}$, make us **suitable for critical, close tolerance, and functional components** used in demanding industrial applications.

IN-HOUSE QUALITY & INSPECTION SYSTEMS

We maintain robust quality systems for consistent dimensional accuracy and reliable part validation, aligned with **ISO 9001 quality management system** requirements and documented process controls. Our inspection setup includes:

01 CMM - Zeiss for precise 3D measurement

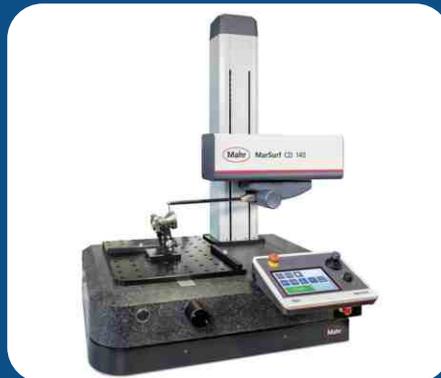
02 Contour Measuring System - Mahr for profile validation

03 Surface Roughness Tester - Mahr for finish assessment

04 100+ precision measuring instruments for detailed inspection

05 200+ standard gauges for thread, form, and feature validation

This integrated infrastructure ensures **high-precision production, repeatability, and compliance with international standards**, making us a trusted partner for global OEMs



Our manufacturing processes follow **APQP, PPAP, FMEA, 7 QC Tools, DWM, Kaizen, and Lean practices**, enabling consistent delivery of components that meet global quality benchmarks.

PRECISION ENGINEERING EXCELLENCE

01 INTEGRATED SOLUTIONS

Our dedicated New Product Development (NPD) team manages the **complete manufacturing lifecycle** from raw material sourcing to precision machined finished components. We specialize in component development from **bar stock, forgings, and castings**.

02 CUSTOMER RESPONSIVENESS

We offer **fast RFQ turnaround**, competitive global pricing, and clear delivery timelines. **Regular updates** on RFQ status, production progress, and development stages reflects our strong customer centric philosophy.

03 MATERIAL EXPERTISE

We machine a wide range of ferrous and non ferrous materials, including:

- ✓ **Stainless Steels:** SS 304, SS 316, SS 303, SS 410, SS 416, SS 430, SS 202 etc
- ✓ **Mild / Carbon Steel:** ASTM A36, AISI 1018, AISI 1020, AISI 1045, EN8, EN8D
- ✓ **Alloy Steel:** AISI 4140, AISI 4130, AISI 8620, EN 19
- ✓ **Cast Iron:** Grey Cast Iron, Ductile (SG) Iron
- ✓ **Non Ferrous:** Aluminium 6061, Aluminium 6082, Brass, Bronze
- ✓ **High Performance Alloys:** Inconel, Monel, Hastelloy

INDUSTRIES WE SERVE

We manufacture precision machined parts and sub components for a wide range of industries, meeting stringent dimensional, functional, and quality requirements.

- ✓ **Automotive & Auto Ancillary** - Engine, transmission, suspension, braking, and steering components
- ✓ **Industrial Pumps & Valves** - Shafts, impellers, sleeves, bushes, valve bodies, and precision internals
- ✓ **Oil & Gas** - Machined components for flow control, fittings, and high-pressure applications
- ✓ **Engineering & Heavy Equipment** - Structural, rotating, and load-bearing machined parts
- ✓ **Electrical & Power Equipment** - Motor shafts, housings, flanges, and precision turned components
- ✓ **Agriculture & Farm Equipment** - Precision parts for tractors, implements, hydraulics, and power transmission systems
- ✓ **General Engineering & OEMs** - Custom-designed parts manufactured as per customer drawings and specifications

PRODUCTS - MATERIAL WISE

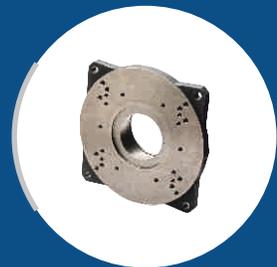
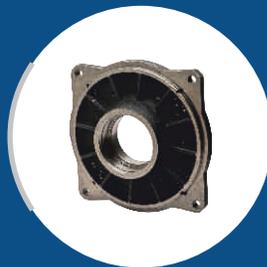
STAINLESS STEEL



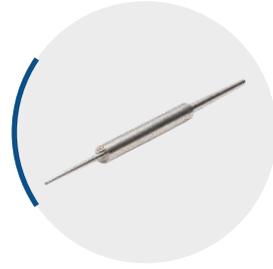
ALLOY STEEL / MILD STEEL



CAST IRON / SG IRON



BAR STOCK COMPONENTS





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