



TF4GLOBAL

CREATING
TOMORROW
TOGETHER



About Us

TF4Global is a leading "Make in India" company that specializes in manufacturing and supplying of high-quality metal engineering components and assemblies to Global Original Equipment Manufacturers (OEMs).

Our state-of-the-art manufacturing plant is located near Mumbai, India, spanning more than 2000 Sqm. and certified with ISO 9001:2015, 14001:2015 and 45001:2018

Our global footprint extends to over 16 countries across Europe, North America, Australia, New Zealand, and the Middle East.

Our Expertise

- **Machining (CNC, VMC, HMC & Swiss Automats) & Heat Treatment**
- **Brass & Copper Forgings & Machining**
- **Aluminum & Zinc Die Casting**
- **Aluminum Extrusions & Machining**
- **Metal Stamping & Fabrication**
- **Rubber Molding & Rubber-Metal Bonding Components & Assemblies**
- **Helical Compression, Torsion Springs & Wire Forms**

Certifications





Solutions

Precision Machining: Our machine shop is equipped with sophisticated production machineries such as CNC turning centers, Multispindle Automats, Vertical Machining Centers (VMC), Broaching machines, Ultrasonic Cleaning, and Magnetic Finishing Machines, to name a few.

We strive for continuous improvement in our operational areas by incorporating technological advancement throughout the organization.



CNC Turning



CNC Drilling



CNC Milling



Centerless Grinding



Roll Threading



Internal Threading



Broaching



Vibro Finishing



Embossing

Stainless Steel, Aluminium & Steel Machining



Stainless Steel Grades

AISI303, AISI304/304L, AISI 316/316L, AISI316H, AISI416, AISI420, Duplex Steel & 17/4 , 15/3 PH steel grades.

Aluminium Grades

1050, 1070, 1350, 1370, 3300, 6005, 6060, 6061, 6063, 6081, 6082, 6101, 6351 & 65032, 7075.

Carbon Steel

Carbon Steel grades with heat treatment facilities available.

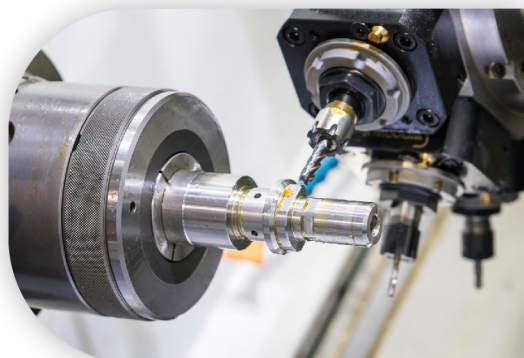
Surface Treatment

We provide Surface Coating Treatment to improve functional, chemical & mechanical properties and offer a range of services such as:

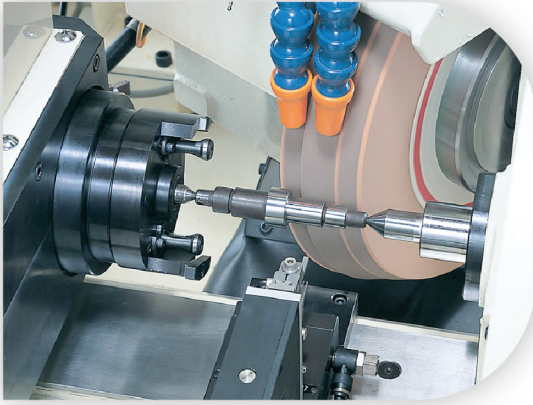
- Powder Coating
- Zinc Spraying
- Electroplating
- Anodizing
- Painting
- Hardening Services

Capabilities

- CNC Precision Automatic Lathe
TSUGAMI-Japan
- Vertical Machining Centers
(3 Axis to 5 Axis)
- Tsugami-CNC Sliding Head
5 Axis
- Multispindle Machines
Diameter Range
1 mm to 60 mm



Dimensional Capabilities



Diameter Range: From 1mm to 180mm

Maximum Machining Length: 500mm

- ID within $\pm 10 \mu$
- OD within $\pm 10 \mu$
- Squareness within 5μ
- Roundness within 10μ
- Cylindricity within 10μ
- Concentricity within 10μ
- Surface Finish Ra within 0.1 Ra & Rz within 1Rz

Measuring Equipment



Co-ordinate Measurement Machine (CMM)



Vision Measurement System



U-Wave Technology Measurement Instruments



Linear Height Gauge



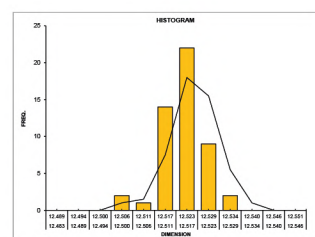
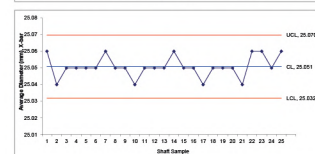
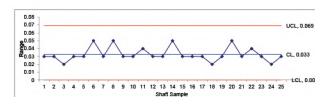
Surface Roughness Tester



Leak Testing Facility

Quality Procedures & Documentations

- Feasibility & Advanced Product Quality Planning
- Control Plans & Work Instructions
- PFMEA
- PPAP
- MSA
- SPC
- Process Flow Diagram
- Inspection Process
(1st PC. In process final Gate and PDIR. RM)
- Process and Product Audits (Yearly twice)
- Continuous improvement Programs through Lean & 6 Sigma Methodology



One-Stop Solution



Integrated
SCM



Design
partnership



Application
engineering



Timely delivery to
your doorsteps



Reliable
quality



Component &
assembly solutions



Reverse engineering
& prototyping (RPT)



Value addition/
value engineering

Industries We Serve

**Heating
Elements**

**Automation,
Sensors &
Measurement
Industry**

**Instrumentation
Industry**

**Industrial
Machinery**

**Industrial
Brakes &
Elevators**

**Oil & Gas
Industry**

Contact Us

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