



Customized Solutions for High-Precision Metal Turned Parts in Industrial Equipment from Expert CNC Turning Parts

Our Product Introduction

for more products please visit us on cnc-metalmachining.com

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: TN-CNC-077
- Minimum Order Quantity: 1 pcs
- Price: USD \$0.1-\$1.99
- Packaging Details: Carton, As Customers' packaging requirements
- Delivery Time: Samples 7-10 days, Mass production 20-25 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pcs per week



Product Specification

- Cnc Machining Or Not: CNC Machining
- Type: CNC Milling
- Material Capabilities: Copper, Aluminum, Bronze, Stainless Steel, Brass
- Surface Treatment: Anodized, Anodizing, Anodize/natural, Sandblast, Silk Screen
- Service: OEM/ODM, OEM ODM Metal Stamping, Customized OEM OEM ODM, OEM Service
- Tolerance: 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm
- Application: Machinery, Automotive, Laptop, Industrial Equipment, Engineering
- Color: As Per Customers' Requirement
- Highlight: **Metal Turned Parts,
High Precision CNC Turning Parts,
Customized CNC Turning Parts**



More Images



Product Description

What We Can Provide

Customized Solutions for High-Precision Metal Turned Parts in Industrial Equipment from Expert CNC Turning Parts

Description of Customized Solutions for High-Precision Metal Turned Parts in Industrial Equipment from Expert CNC Turning Parts

Customized Solutions for Precision Metal Turned Parts in Industrial Equipment CNC Turning Parts
Industrial equipment demands high-precision metal turned parts to ensure reliability, durability, and performance.

1. Core Advantages

Ultra-Tight Tolerances: Achieve precision down to ± 0.005 mm for critical components like shafts, connectors, and hydraulic valves, ensuring seamless integration into industrial systems.

Material Flexibility: Process stainless steel, aluminum, titanium, and specialty alloys to meet requirements for corrosion resistance, lightweight design, or high-strength applications.

Scalable Production: Support low-volume prototyping (1–50 pcs) and high-volume orders (1,000+ pcs) with tiered pricing models for cost efficiency.

2. Customization Capabilities

Design Adaptation: Optimize tooling paths and machining parameters (e.g., spindle speed, feed rate) for thin-walled structures, micro-sized components, or complex geometries.

Surface Finishing: Offer electroplating (e.g., nickel coatings up to 200 μm for wear resistance), etching, or polishing to enhance functionality and aesthetics.

Certified Compliance: Ensure adherence to international standards (ISO 9001, RoHS, REACH) with full traceability via material certifications and inspection reports.

3. Key Applications

Automotive & Aerospace: Critical parts such as clutch components, sensor housings, and hydraulic valves requiring durability under extreme conditions.

Industrial Machinery: Precision fittings for robotics arms, optical alignment systems, and metal processing tools like cutting equipment.

Electronics & Energy: Custom fasteners and housings for semiconductor manufacturing or renewable energy infrastructure.

Specification of Customized Solutions for High-Precision Metal Turned Parts in Industrial Equipment from Expert CNC Turning Parts

CNC Capacity				
CNC Machining Center	3 / 4 / 5 axis CNC Machining Centers	40+ CNC Machines		
CNC Turning	φ0.5 - φ300 * 750 mm	DIN-2768-Fine +/-0.005 mm		
CNC Machining	1270×508×635 mm(max)	DIN-2768-Fine +/-0.005 mm		
CNC Stamping	1000 * 1000 mm(max)	DIN-2768-Fine +/-0.005 mm		
Drawing Format	IGS,STP,X_T ,DXF,DWG , Pro/E, PDF			
Inspection Equipments	Measurement Instrument, Projector, CMM, Altimeter, Micrometer, Thread Gages, Calipers, Pin Gauge etc.			
Material Available				
Stainless Steel	SS201,SS301, SS303, SS304, SS316, SS416, 17-4PH, etc.			
Steel	Mild steel, Carbon Steel, 4140, 4340, Q235, Q345B, 20#, 45# etc.			
Brass	HPb63, HPb62, HPb61, HPb59, H59, H68, H80, H90 etc.			
Copper	C11000,C12000,C12000 C36000 etc.			
Aluminum	AL6061, Al6063, AL6082, AL7075, AL5052, A380 etc.			
Iron	A36, 45#, 1213, 12L14, 1215 etc.			
Plastic	ABS, PC, PE, POM, Delrin, Nylon, Teflon, PP,PEI, Peek etc.			
Surface Finishing				
Aluminum Parts	Stainless Steel Parts	Steel Parts	Copper /Brass	Plastic Parts
Clear Anodized	Polishing	Zinc plating	Polishing	Painting
Color Anodized	Passivating	Oxide black	Passivation	Chrome plating
Sandblast Anodized	Sandblasting	Nickel plating	Galvanized	polishing
Chemical Film	Laser engraving	Chrome plating	Nickel Plating	Sandblast
Brushing		Carburized	Chrome plating	Laser engraving
Polishing		Heat treatment		
Chroming		Powder Coated		

Quality Control

1. Checking the raw material after they reach our factory----- Incoming quality control (IQC)
2. Checking the details before the production line operated
3. Have full inspection and routing inspection during mass production---In process quality control(IPQC)
4. Checking the goods after they are finished---- Final quality control(FQC)
5. Checking the goods after they are finished-----Outgoing quality control(OQC)

Application Of Customized Solutions for High-Precision Metal Turned Parts in Industrial Equipment from Expert CNC Turning Parts

1. Auto Components Hardware Parts Auto Parts
2. Communication Equipment
3. Industrial Equipment
4. Medical EquipmentsMechanical Parts
5. Ship Accessories
6. Electrical Equipment
7. Mechanical Equipment

Why Choose Us

Our advantages

1. Superior Precision & Material Versatility

Achieve ultra-tight tolerances (± 0.005 mm) for seamless integration into critical systems like robotics arms and hydraulic valves, ensuring operational reliability and longevity.

Process diverse materials (stainless steel, aluminum, titanium) to meet specific requirements for corrosion resistance, lightweight design, or high-strength applications.

2. Cost-Effective Scalability

Optimize budgets with tiered pricing models for both prototyping (1–50 pcs) and bulk orders (1,000+ pcs), reducing per-unit costs by up to 15% compared to regional suppliers.

Expedited lead times (7–15 days) and flexible logistics (DDP/DAP terms) minimize downtime and streamline global procurement.

3. Compliance & Customization Expertise

Deliver fully traceable, RoHS/REACH-compliant components with ISO 9001-certified quality assurance, including 100% dimensional inspection reports.

Tailor designs for complex geometries (thin-walled structures, micro parts) and surface finishes (electroplating, etching) to align with unique industrial demands.

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



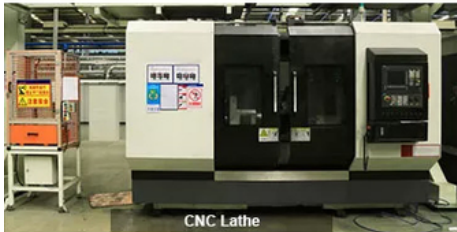
Hydraulic Press Machine



SLS/SLA Machine



5-Axis CNC



CNC Lathe



Laser cutting Machine



CNC Punching Machine



Injection Molding machine



FAQ

Q: How can I customize my products ?

A: Please describe your project. Include the following information so that we can provide an accurate quote: Part Name, 3D CAD Drawing, Quantity, Material, Color, Finishing.

Q: How can I know my products going on ?

A: We will offer a detailed production schedule and send weekly reports with digital pictures and videos which show the production process.

Q: Can You sign a confidentiality greement ?

A: We can sign a confidentiality agreement according to your needs.

Q: What is your terms of payment ?

A: 30% in advance ,70% balance before shipment. Other terms negotiable.

Q: Are you a trading company or factory?

A: We are direct factory with 20 experienced engineers and more than 80 employees as well approximate 3,000 square meters workshop area.

Q: What shall we do if we do not have drawings?

A: Please send your sample to our factory,then we can copy or provide you better solutions. Please send us pictures or drafts with dimensions(Length, Height, Width), CAD or 3D file will be made for you if placed order.



Shenzhen Xianheng Technology Co.,Ltd

0086-13682614486

shawn@xianheng-tech.com

cnc-metalmachining.com

Room 8-1409, Xingji jiyuan building 8-9#, HongXing community, Songgang street, Bao'an District, Shenzhen
City China