



## Customized CNC Turning Parts for High-Performance Industrial Machinery Metal Parts for Advanced CNC Turning Technology

Our Product Introduction

for more products please visit us on [cnc-metalmachining.com](http://cnc-metalmachining.com)

### Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: TN-CNC-76
- 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



### More Images



## Product Description

### What We Can Provide

Customized CNC Turning Parts for High-Performance Industrial Machinery Metal Parts for Advanced CNC Turning Technology

#### Description of Customized CNC Turning Parts for High-Performance Industrial Machinery Metal Parts for Advanced CNC Turning Technology

Customized CNC turning parts for high - performance industrial machinery metal parts represent a highly specialized and precision - engineered solution in the manufacturing sector. These parts are crafted using advanced Computer Numerical Control (CNC) turning technology, which is a subtractive manufacturing process where a cutting tool removes material from a rotating workpiece to create the desired shape and dimensions.

#### Specification of Customized CNC Turning Parts for High-Performance Industrial Machinery Metal Parts for Advanced CNC Turning Technology

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 CNC Turning Parts for High-Performance Industrial Machinery Metal Parts for Advanced CNC Turning Technology

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. High Precision and Consistency

Advanced CNC turning technology ensures that each part is manufactured with extremely high precision. The use of computer - controlled machines eliminates human error, resulting in parts that meet the exact specified dimensions and tolerances. This consistency is vital for high - performance industrial machinery, where the proper fit and alignment of components are essential for optimal operation. For example, in a precision gearbox, even a minor deviation in the diameter of a shaft can cause misalignment, leading to increased wear and tear and reduced efficiency.

### 2. Material Efficiency

CNC turning is a subtractive manufacturing process, but advanced techniques and software optimization allow for efficient use of materials. The machines can be programmed to minimize material waste by carefully planning the cutting paths and utilizing the raw material to the fullest extent. This not only reduces the cost of production but also aligns with sustainable manufacturing practices, as less material ends up as scrap. In industries where expensive metals like titanium are used, material efficiency can lead to significant cost savings over time.

### 3. Short Lead Times

Once the CNC program is set up, the manufacturing process can be highly automated. This means that large quantities of customized parts can be produced relatively quickly. Compared to traditional manufacturing methods that may require extensive setup times and manual labor, CNC turning allows for faster turnaround times. This is particularly beneficial in industries where quick delivery of replacement parts or rapid prototyping is necessary to keep the machinery operational or to bring new products to market faster.

### 4. Design Flexibility

Advanced CNC turning technology offers a high degree of design flexibility. Engineers and designers can create complex and customized geometries without being limited by the constraints of traditional manufacturing processes. This allows for the development of innovative parts that are specifically designed to improve the performance, efficiency, or functionality of high - performance industrial machinery. For instance, a customized part with a unique shape can be designed to reduce air or fluid resistance in a pump, thereby increasing its overall efficiency.

## Factory Show

### Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



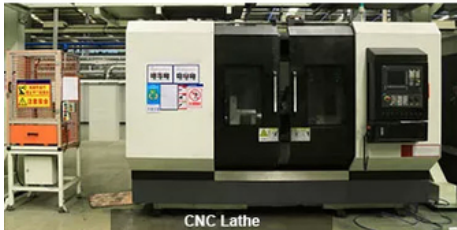
Hydraulic Press Machine



SLS/SLA Machine



5-Axis CNC



CNC Lathe



Laser cutting Machine



CNC Punching Machine



Injection Molding machine



## FAQ

### Q1: Where can I get product & price information?

A1: Send us inquiry e-mail, we will contact you as we receive your mail.

### Q2: How long can I get the sample?

A2: Depends on your specific items, within 3-7 days is required generally.

### Q3: What kinds of information you need for quote?

A3: Kindly please provide the product drawing in PDF, and will be better you can provide in STEP or IGS.

### Q4: What are the payment terms?

A4: We accept 50% as payment deposit, when the goods is done, we take photos for your check and you then pay the balance.

### Q5: Are you a trading company or factory?

A5: We are direct factory with 10 experienced engineers and more than 650 employees as well approximate 2,000 square ft. workshop area.

### Q6: What shall we do if we do not have drawings?

A6: 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.



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