



## CNC Turning Parts for Industrial Machinery Fabrication The Perfect Combination of Precision and Efficiency

### 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-83
- 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

#### CNC Turning Parts for Industrial Machinery Fabrication The Perfect Combination of Precision and Efficiency

##### Description of CNC Turning Parts for Industrial Machinery Fabrication The Perfect Combination of Precision and Efficiency

CNC turning parts are the backbone of modern industrial machinery fabrication, offering a seamless integration of ultra-high precision and optimized production efficiency. Manufactured using advanced Computer Numerical Control (CNC) lathes, these components are engineered to meet the exacting demands of sectors such as automotive, aerospace, energy, and robotics. By automating the turning process with multi-axis control, real-time tool monitoring, and adaptive machining strategies, CNC turning delivers parts with tight tolerances ( $\pm 0.001$  mm), complex geometries, and consistent quality—all while minimizing cycle times and material waste.

##### Specification of CNC Turning Parts for Industrial Machinery Fabrication The Perfect Combination of Precision and Efficiency

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 CNC Turning Parts for Industrial Machinery Fabrication The Perfect Combination of Precision and Efficiency

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

### Unrivalled Precision for Critical Components

CNC turning machines utilize high-resolution servo motors and closed-loop feedback systems to achieve sub-micron accuracy. For example, in hydraulic valve bodies, even a 0.005 mm deviation in port diameters can cause leakage or system failure. Advanced CNC lathes with thermal compensation and vibration damping ensure dimensional stability across long production runs, making them ideal for precision-fit parts like bearing journals or gear shafts.

### Lightning-Fast Production With Minimal Setup Time

Unlike manual lathes, CNC turning centers enable rapid tool changes and automated part loading, slashing setup times by 70–90%. Multi-spindle CNC lathes can machine up to 12 components simultaneously, completing a batch of 1,000 parts in hours instead of days. For instance, DJC's 14-station multi-spindle machines reduce cycle times by 40% in automotive transmission shaft production, boosting throughput without sacrificing accuracy.

### Cost-Effective Manufacturing Through Material Optimization

CNC turning software optimizes tool paths and cutting parameters to minimize material waste. For high-value metals like titanium or Inconel, this reduces scrap rates by 25–50%, lowering raw material costs. Additionally, dry machining capabilities (eliminating coolant use) cut operational expenses and environmental impact. In aerospace turbine hub production, CNC turning achieves 98% material utilization, compared to 70% with traditional methods.

### Seamless Scalability for High-Volume or Custom Orders

CNC turning lines are highly flexible—programs can be instantly modified to accommodate design changes without retooling. This makes them perfect for just-in-time (JIT) manufacturing and custom engineering orders. For example, a robotics manufacturer can switch from producing 10,000 identical servo motor shafts to 500 specialized variants in the same production cell, maintaining efficiency through automated pallet systems and offline programming.

## Factory Show

### Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



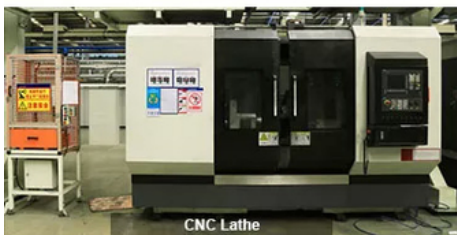
Hydraulic Press Machine



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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