



Customized Precision CNC Turning Parts for High-Performance Industrial Machinery Metal Components

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: TN-CNC-75
- 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 Precision CNC Turning Parts for High-Performance Industrial Machinery Metal Components

Description of Customized Precision CNC Turning Parts for High-Performance Industrial Machinery Metal Components

Customized precision CNC (Computer Numerical Control) turning parts for high - performance industrial machinery metal components are specially crafted mechanical elements manufactured using advanced CNC turning technology. These parts are designed to meet the exacting requirements of high - performance industrial applications, which often demand superior strength, precision, and reliability.

Specification of Customized Precision CNC Turning Parts for High-Performance Industrial Machinery Metal Components

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 Precision CNC Turning Parts for High-Performance Industrial Machinery Metal Components

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

CNC turning machines are capable of achieving extremely high levels of precision, with minimal variations between parts. This consistency is essential in high - performance industrial machinery, where multiple components need to fit together seamlessly and function as a cohesive unit. For example, in a high - speed engine, the precise dimensions of crankshafts, camshafts, and connecting rods are critical for smooth operation and optimal power output. Any deviation can cause increased friction, wear, and reduced engine efficiency.

2. Customization to Meet Specific Requirements

Every high - performance industrial machinery application has its unique set of requirements. Customized precision CNC turning parts can be tailored to fit these specific needs, whether it's a particular shape, size, material property, or surface finish. This flexibility allows engineers to design machinery that is optimized for its intended purpose, resulting in better performance, longer service life, and reduced maintenance costs. For instance, in a specialized hydraulic system, customized valves and fittings can be designed to handle specific pressure ranges and fluid types, ensuring efficient and reliable operation.

3. Enhanced Material Utilization and Reduced Waste

CNC turning is a highly efficient manufacturing process that maximizes material utilization. The computer - controlled cutting operations are designed to minimize waste by accurately removing only the necessary material from the raw stock. This not only reduces production costs but also aligns with sustainable manufacturing practices. In industries where expensive metal alloys are used, such as aerospace or medical device manufacturing, minimizing waste can lead to significant cost savings.

4. Improved Productivity and Faster Time - to - Market

Once the CNC program is set up, the turning process can run continuously with minimal human intervention, resulting in high production rates. This rapid manufacturing capability shortens the lead time for producing customized parts, enabling machinery manufacturers to bring their products to market faster. In a competitive industrial environment, being able to quickly respond to market demands and introduce new or improved machinery can give a company a significant advantage over its competitors.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



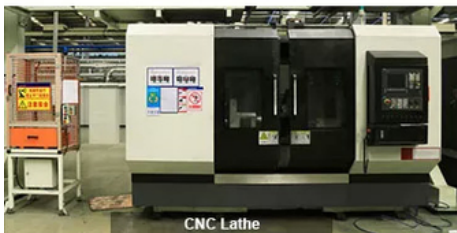
Hydraulic Press Machine



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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