



Customized CNC Turning Parts Precision Engineering Service for Aerospace Automotive Medical Devices

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-081
- 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

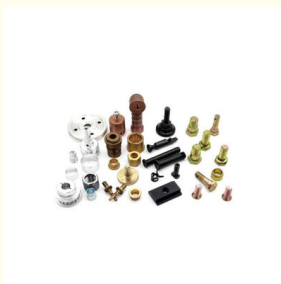


Product Specification

- 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: **Aerospace CNC Turning Parts,
Medical Devices CNC Turning Parts,
Precision Engineering CNC Turning Parts**



More Images



Product Description

What We Can Provide

Customized CNC Turning Parts Precision Engineering Service for Aerospace Automotive Medical Devices

Description of Customized CNC Turning Parts Precision Engineering Service for Aerospace Automotive Medical Devices

This service specializes in the design, engineering, and production of high-precision CNC (Computer Numerical Control) turned parts tailored for critical industries such as aerospace, automotive, and medical devices. With a focus on ultra-tight tolerances, advanced material selection, and stringent quality standards, the service delivers components that meet the exacting requirements of safety-critical applications. Leveraging cutting-edge CNC lathes, CAD/CAM software, and a team of experienced engineers, the service offers end-to-end solutions—from rapid prototyping to large-scale production—while ensuring compliance with industry-specific regulations (e.g., AS9100 for aerospace, ISO 13485 for medical devices). Whether it's aerospace fasteners, automotive sensors, or surgical instrument components, the service excels in translating complex designs into flawlessly executed parts.

Specification of Customized CNC Turning Parts Precision Engineering Service for Aerospace Automotive Medical Devices

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 Precision Engineering Service for Aerospace Automotive Medical Devices

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

Why Choose Us

Our advantages

1. Industry-Specific Expertise and Compliance

The service's deep understanding of aerospace, automotive, and medical device standards ensures parts are engineered to meet industry-specific certifications (e.g., Nadcap for aerospace, IATF 16949 for automotive). This expertise minimizes risks of non-compliance and accelerates certification processes for clients, reducing time-to-market and regulatory hurdles.

2. Advanced Material Capabilities and Performance Optimization

By working with aerospace-grade alloys, biocompatible materials, and high-strength automotive steels, the service guarantees components that withstand extreme conditions—from high temperatures in jet engines to sterilization in medical devices. Material optimization enhances durability, corrosion resistance, and lightweighting, crucial for performance and safety in these industries.

3. Scalable Production and Cost-Effective Solutions

The service balances precision and cost efficiency by offering flexible production volumes, from low-volume prototypes to high-volume manufacturing. Automated workflows, lean manufacturing principles, and strategic partnerships with material suppliers enable competitive pricing without sacrificing quality. This scalability ensures clients can adapt to changing demands while maintaining supply chain reliability.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



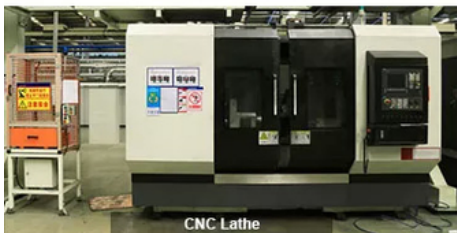
Hydraulic Press Machine



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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