# Precision CNC Turned Components: High-Tolerance Machining for Aerospace & Automotive Applications

Our Product Introduction

## Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: TN-CNC-98
- 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

Our Product Introduction

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

## Product Description

## What We Can Provide

**Precision CNC Turned Components: High-Tolerance Machining for Aerospace & Automotive Applications**

**Description of Precision CNC Turned Components: High-Tolerance Machining for Aerospace & Automotive Applications**

Precision CNC turned components are engineered through computer-controlled lathe operations to achieve ultra-tight tolerances (often ±0.005mm or finer), critical for aerospace and automotive applications. These parts undergo rigorous quality checks, including dimensional inspection and material testing, ensuring reliability in high-stress environments like turbine blades, engine valves, and transmission components.

**Specification of Precision CNC Turned Components: High-Tolerance Machining for Aerospace & Automotive Applications**

| **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 Precision CNC Turned Components: High-Tolerance Machining for Aerospace & Automotive Applications**

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**

**Exceptional Accuracy:** Micro-level precision supports complex geometries and functional integration, reducing assembly

errors.

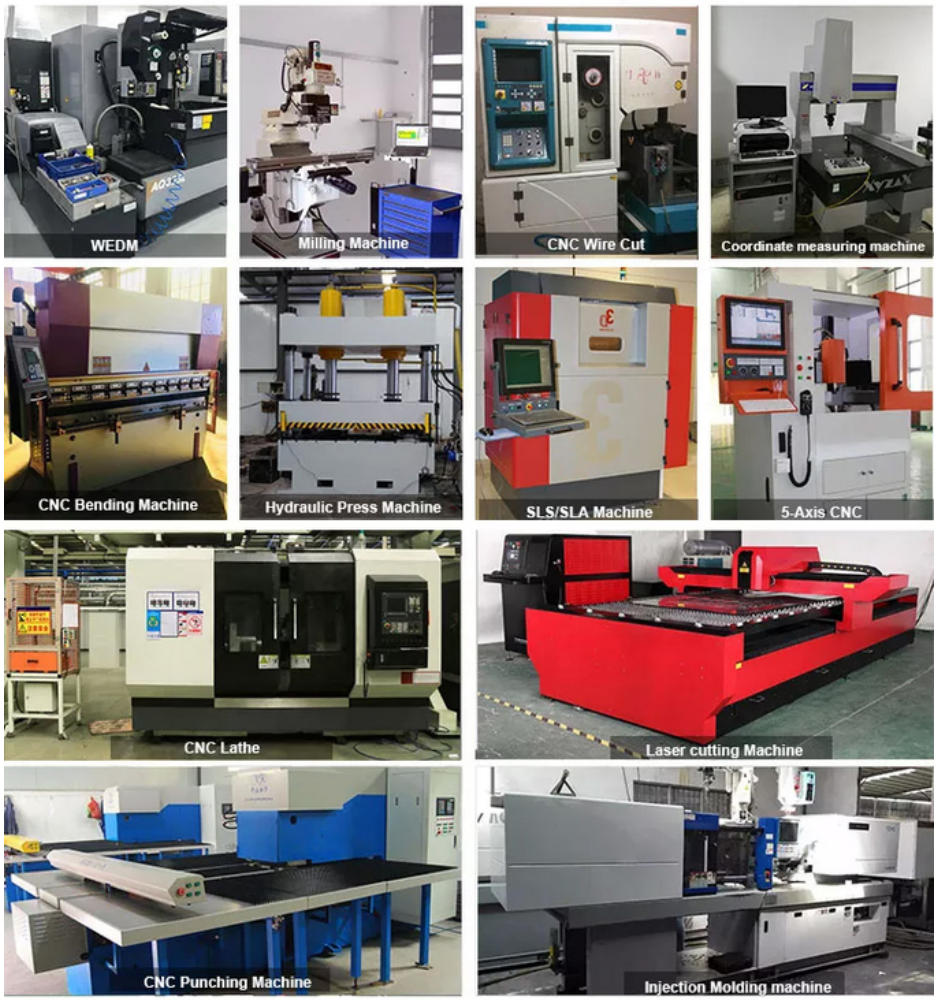
**Material Versatility:** Processes stainless steel, titanium, and advanced alloys, meeting diverse performance demands.

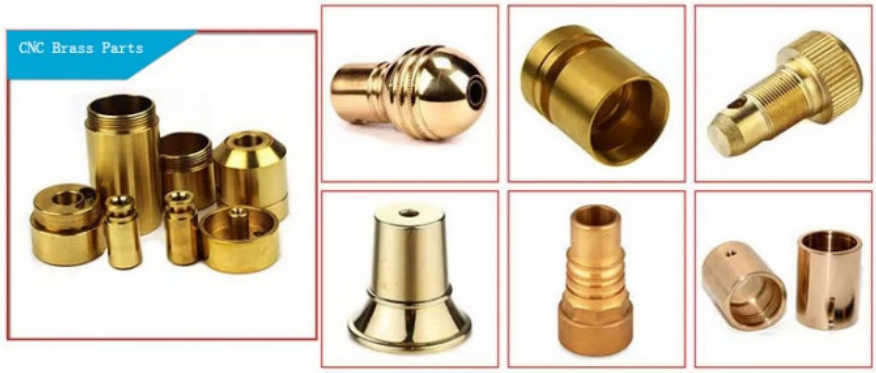
**Enhanced Efficiency:** Automated CNC systems minimize human error and accelerate production cycles.

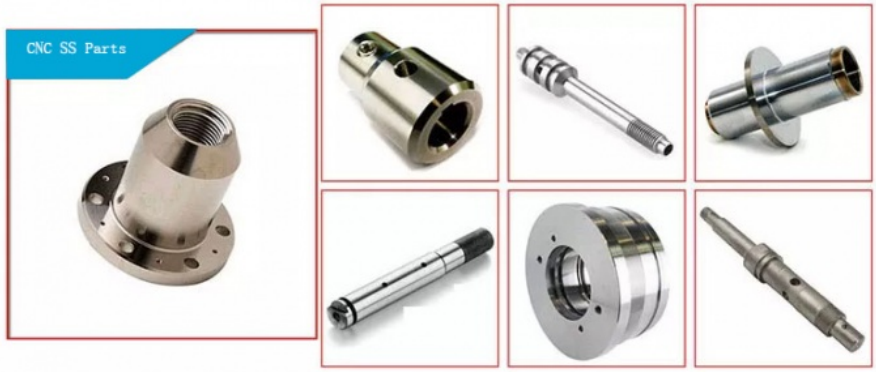
**Consistent Quality:** Repeatable manufacturing ensures uniformity across batches, vital for safety-critical sectors.

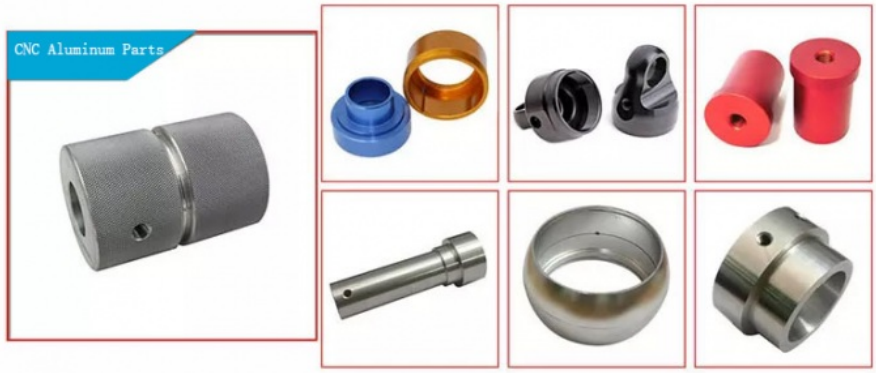
## Factory Show

### Factory Equipment






**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, Hight, Width), CAD or 3D file will be made for you if placed order.

**Shenzhen Xianheng Technology Co.,Ltd**

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