



## Advanced CNC Turning: Flawless Parts with Sub-Micron Tolerances for Industrial Excellence

### Our Product Introduction

#### Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: TN-CNC-102
- 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, D/P, D/A
- 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: **CNC turning parts with sub-micron tolerances, industrial CNC turning precision parts, flawless CNC turning parts for industry**



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

Product Description

Advanced CNC Turning: Sub-Micron Precision Parts

Our advanced CNC turning services deliver flawless parts with sub-micron tolerances ( $\leq 0.001\text{mm}$ ) for industrial excellence. Utilizing computer-controlled lathes with multi-axis control and real-time feedback systems, we ensure precise dimensions and superior surface integrity for the most demanding applications.

Technical Specifications

Parameter Category	Specific Specifications	Supplementary Notes
CNC Machining Capacity	1. Machining Centers: 3/4/5-axis, 40+ units 2. Turning: $\phi 0.5 - \phi 300 \times 750\text{ mm}$ 3. Milling: Max $1270 \times 508 \times 635\text{ mm}$ 4. Stamping: Max $1000 \times 1000\text{ mm}$	Tolerance up to DIN-2768-Fine $\pm 0.005\text{mm}$
Drawing Format	IGS, STP, X_T, DXF, DWG, Pro/E, PDF	Compatible with mainstream design file formats
Inspection Equipment	Measuring Instrument, Projector, CMM, Altimeter, Micrometer, Thread Gages, Calipers, Pin Gauge, etc.	Comprehensively ensure machining accuracy
Available Materials	Stainless Steel, Steel, Brass, Copper, Aluminum Alloy, Iron, Plastic (including specific grades)	Cover material needs of multiple industries
Surface Finishing	Anodizing, Polishing, Passivation, Zinc Plating, Nickel Plating, Chromium Plating, Sandblasting, Painting, etc.	Suitable for different materials and usage scenarios

Key Features

- Precision Accuracy:** Sub-micron tolerance control ( $\leq 0.001\text{mm}$ ) with minimal dimensional error and flawless surface finish
- Production Efficiency:** Multi-axis linkage control and high-speed tooling for excellent machining efficiency and consistency
- Material Adaptability:** Wide material compatibility and comprehensive machining range supporting multiple drawing formats
- Quality Assurance:** Professional inspection equipment controls the entire process with full-process traceability
- Industry Expertise:** Targeted adaptation to high-end manufacturing fields with mature, stable technology

Quality Control Process

1. Checking raw materials upon arrival - Incoming Quality Control (IQC)
2. Pre-production inspection before manufacturing begins
3. Full inspection and routing inspection during mass production - In Process Quality Control (IPQC)
4. Final inspection of completed goods - Final Quality Control (FQC)
5. Outgoing inspection before shipment - Outgoing Quality Control (OQC)

Industry Applications

- Automotive Components & Hardware Parts
- Communication Equipment
- Industrial Equipment
- Medical Equipment & Mechanical Parts
- Ship Accessories
- Electrical Equipment
- Mechanical Equipment

## Why Choose Us

### Our Manufacturing Advantages

**Ultra-Precision for Critical Applications:** Sub-micron tolerances ensure flawless performance under extreme stress, vibration, or thermal conditions

**Complex Geometry Mastery:** Advanced CNC lathes execute intricate profiles including spiral grooves, multi-start threads, and tapered bores

**Material Efficiency & Waste Reduction:** Precision machining minimizes material waste through optimized tool paths and near-net-shape production

**Enhanced Throughput & Scalability:** Automated CNC systems enable 24/7 production with rapid setup changes and consistent cycle times

## Factory Show

### Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



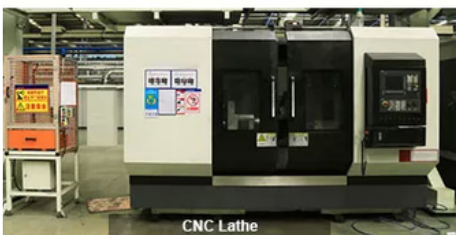
Hydraulic Press Machine



SLS/SLA Machine



5-Axis CNC



CNC Lathe



Laser cutting Machine



CNC Punching Machine



Injection Molding machine



## Frequently Asked Questions

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

Send us an inquiry email - we will contact you immediately upon receiving your message.

### How long can I get the sample?

Typically 3-7 days depending on your specific requirements.

### What kinds of information do you need for a quote?

Please provide product drawings in PDF format; STEP or IGS files are preferred.

### What are the payment terms?

We accept 50% deposit with balance payment upon completion after photo confirmation.

### Are you a trading company or factory?

We are a direct factory with 10 experienced engineers, 650+ employees, and approximately 2,000 square foot workshop area.

**What shall we do if we do not have drawings?**

Send your sample to our factory for replication, or provide pictures/drafts with dimensions. We can create CAD or 3D files for production.



**Shenzhen Xianheng Technology Co.,Ltd**



0086-13360062175



sales@xianheng-tech.com



cnc-metalmachining.com

Room 8-1409, Xingji jiyuan building 8-9#, HongXing community, Songgang street, Bao'an District, Shenzhen  
City China