



## Advanced CNC Technology for Custom Metal Solutions in Stainless Steel CNC Parts for Medical Devices and Electronics

### 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: ST-CNC-079
- 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: Milling, Turning, Machining
- Material Capabilities: Copper, Aluminum, Bronze, Stainless Steel, Brass
- Surface Treatment: Anodized, Anodizing, Anodize/natural, Sandblast, Silk-screen
- Application: Machinery, Automotive, Laptop, Industrial Equipment, Engineering
- Tolerance: 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm
- Service: Customized OEM
- Keyword: Stainless Steel Milling Parts
- Quality Control: 100% Inspection Berore Shipment, 100% Full Inspection



#### More Images



## Product Description

### What We Can Provide

#### Advanced CNC Technology for Custom Metal Solutions in Stainless Steel CNC Parts for Medical Devices and Electronics

#### Description of Advanced CNC Technology for Custom Metal Solutions in Stainless Steel CNC Parts for Medical Devices and Electronics

High-precision custom aluminum CNC parts for OEMs are precision-engineered components manufactured via CNC machining, offering tight tolerances ( $\pm 0.005$ – $0.01$ mm), superior surface finishes, and scalable production from prototypes to mass volumes (1,000+ units). These parts leverage advanced aluminum alloys (e.g., 6061, 7075) for lightweight durability and are tailored to OEM specifications through 3D/2D CAD models, ensuring compatibility with complex geometries.

#### Specification of Advanced CNC Technology for Custom Metal Solutions in Stainless Steel CNC Parts for Medical Devices and Electronics

##### Custom Metal Solutions

Candle Holders/Cups	Medical Containers	Metal End Covers	Mobile Phone Shells
Crafts Stamping Parts	Tablewares	Aluminum Lids	Cabinet Enclosures
Lighting Stamping Parts	Filters/Strainers	Cosmetic Caps	Furniture Accessories
Metal Brackets/Stand	Protective Shields	Essential Oil Caps	Door&Window Fittings
Electronic Components	Sheet Metal Panels	Perfume Caps	Shafts/Sleeves/Gears
Electrical Connections	Cooling Fins	Wine Bottle Caps	Fasteners
Metal Structures	Metal Contact Clips	Jar Caps	Machinery Parts
Car Spare Parts	Motor Spare Parts	Glass Bottle Caps	Pipe Fittings/Elbows

#### Application Of Advanced CNC Technology for Custom Metal Solutions in Stainless Steel CNC Parts for Medical Devices and Electronics

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

##### 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)

### Why Choose Us

#### Advantages

##### 1. Unmatched Precision & Consistency

CNC machining achieves tolerances as tight as  $\pm 0.005$ mm, eliminating assembly issues and part rejection. This is critical for industries like automotive (e.g., electric motor housings) and medical devices, where component reliability is non-negotiable. Advanced tooling (e.g., diamond-tipped cutters) and in-process error-proofing ensure flawless execution.

##### 2. Cost-Effective Scalability

Prototyping to Mass Production: Seamless transition from single prototypes to high-volume orders (e.g., 3,000+ units) with consistent quality and reduced per-unit costs.

Flexible MOQs: Suppliers like ANEBON and HY Metals offer low minimum order quantities (MOQs) for small batches, optimizing inventory management.

Rapid Lead Times: Automated CNC workflows cut production cycles by up to 50%, enabling faster time-to-market.

##### 3. Lightweight Durability & Material Performance

Aluminum Alloys: 6061 (weldable, corrosion-resistant) and 7075 (high-strength) cater to diverse demands, from aerospace to consumer electronics.

Weight Savings: Aluminum's low density ( $\sim 1/3$  of steel) reduces energy consumption in automotive and aerospace

applications without sacrificing strength.

Corrosion Resistance: Anodizing or powder coating extends part lifespan in harsh environments (e.g., marine, industrial).

#### 4. Customization & Rapid Iteration

**Design Freedom:** CNC machining supports complex geometries (e.g., irregular shapes, internal channels) that traditional methods cannot replicate.

**Fast Prototyping:** Iterate designs in days, not weeks, with quick-turn CNC services. For example, VMT offers 3–7-day sample lead times for aluminum prototypes.

**Material Versatility:** Beyond aluminum, CNC machining handles stainless steel, titanium, and engineering plastics, enabling multi-material assemblies.

## Factory Show

### Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



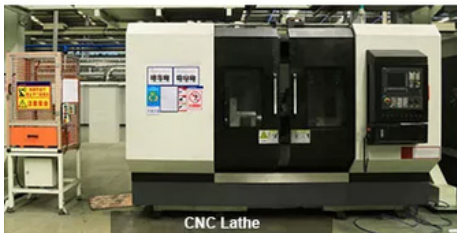
Hydraulic Press Machine



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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