



## Durable Stainless Steel CNC Parts for Medical Devices Electronics Custom Metal Manufacturing at Competitive Prices

### 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-077
- 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

#### Durable Stainless Steel CNC Parts for Medical Devices Electronics Custom Metal Manufacturing at Competitive Prices

#### Description of Durable Stainless Steel CNC Parts for Medical Devices Electronics Custom Metal Manufacturing at Competitive Prices

Stainless steel CNC-machined parts are critical for medical devices and electronics due to their durability, biocompatibility, and precision. These components are manufactured using advanced Computer Numerical Control (CNC) technology, ensuring high-quality, customized solutions at competitive costs.

#### Specification of Durable Stainless Steel CNC Parts for Medical Devices Electronics Custom Metal Manufacturing at Competitive Prices

##### 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/Stands	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 Durable Stainless Steel CNC Parts for Medical Devices Electronics Custom Metal Manufacturing at Competitive Prices

1. Auto Components Hardware Parts Auto Parts
2. Communication Equipment
3. Industrial Equipment
4. Medical Equipments Mechanical 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. Exceptional Durability & Corrosion Resistance

Stainless steel (e.g., 304, 316L, 17-4 PH) is renowned for its high tensile strength, impact resistance, and corrosion resistance, making it ideal for medical implants, surgical instruments, and electronic enclosures.

Medical Applications: Implants (e.g., orthopedic screws, dental fixtures) require materials that withstand bodily fluids without degrading.

Electronics: Enclosures and connectors benefit from stainless steel's resistance to moisture, chemicals, and environmental stress.

CNC Advantage: Precision machining ensures minimal material waste and optimal structural integrity, extending component lifespan.

##### 2. Biocompatibility & Hygiene Compliance

Stainless steel is inert and non-toxic, meeting strict medical standards such as ISO 13485 and FDA regulations.

Medical Safety: Surgical tools, prosthetics, and diagnostic equipment must avoid contamination risks. Stainless steel's smooth, non-porous surface resists bacterial growth and is easy to sterilize.

Electronic Reliability: In medical electronics (e.g., pacemaker housings), biocompatible materials prevent adverse reactions with patients.

CNC Advantage: High-precision machining achieves surface finishes as smooth as Ra 0.8µm, ensuring compliance with

hygiene requirements.

### 3. High Precision & Complex Geometry Capabilities

CNC technology enables micron-level accuracy, critical for medical and electronic components with tight tolerances.

Medical Devices: Minimally invasive surgical tools (e.g., laparoscopic instruments) require intricate designs with precise dimensions.

Electronics: Micro-connectors, sensors, and heat sinks demand exacting specifications for functionality.

CNC Advantage: Multi-axis machining (e.g., 5-axis CNC) allows for complex shapes, such as helical grooves, undercuts, and thin walls, without compromising strength.

### 4. Cost-Effective Customization & Scalability

Stainless steel CNC parts offer flexibility in low-to-high volume production, reducing costs through automation and optimized material usage.

Prototyping to Mass Production: CNC machining supports rapid iteration for design validation, followed by scalable manufacturing for large batches.

Material Efficiency: Nesting parts in raw stock minimizes waste, lowering material costs for stainless steel (a premium material).

Competitive Pricing: Advanced CNC shops leverage AI-driven process optimization and global supply chains to offer affordable rates without sacrificing quality.

## Factory Show

### Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



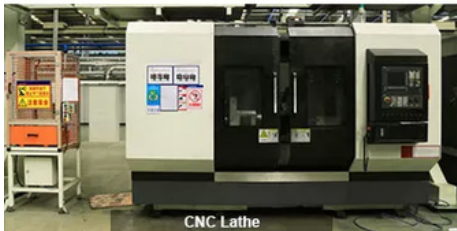
Hydraulic Press Machine



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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