

Precision CNC Medical Parts Aluminum Alloy $\pm 0.01\text{mm}$ Tolerance

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: yuanwenyu
- Model Number: oem, OEM
- Minimum Order Quantity: 1

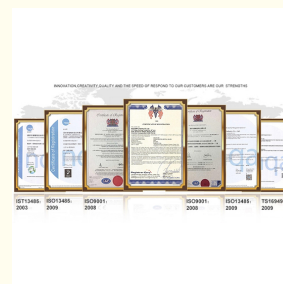


Product Specification

- Material: Aluminum Alloy
- Material Capabilities: Aluminum, Brass, Bronze, Copper, Hardened Metals, Other, Precious Metals, Stainless Steel, Steel Alloys
- Tolerance: $\pm 0.001 \sim \pm 0.01\text{mm}$
- Surface Roughness: Min Ra 0.1~3.2
- Drawing Format: DXF / DWG / STEP / IGS / PDF
- Surface Treatment: Sandblasting, Anodizing, Powder Coating
- Micro Machining: Micro Machining
- CNC Machining: CNC Machining
- Machining Type: Broaching, DRILLING, Etching / Chemical Machining, Laser Machining, Milling, Other Machining Services, Rapid Prototyping, Turning, Wire EDM
- Delivery Time: 3-30 Days
- Available Materials: Aluminum, Stainless Steel, Copper, Iron, Plastic, Titanium Alloy



More Images



Product Description

Customized Precision CNC Medical Parts

High-precision CNC turning and milling services for medical components using aluminum alloy, stainless steel, and brass with Wire EDM technology.

Product Specifications

Attribute	Value
CNC Machining	CNC Machining
Type	Broaching, Drilling, Etching/Chemical Machining, Laser Machining, Milling, Rapid Prototyping, Turning, Wire EDM
Material Capabilities	Aluminum, Brass, Bronze, Copper, Hardened Metals, Precious Metals, Stainless Steel, Steel Alloys
Micro Machining	Micro Machining
MOQ	Small orders accepted
Quality Control	100% inspection on critical dimensions
Surface Treatment	Sandblasting, Anodizing, Powder Coating
Drawing Format	DXF / DWG / STEP / IGS / PDF
Primary Material	Aluminum Alloy



CNC Machining Services

Service	Details
Available Processes	CNC Turning, CNC Milling, Laser Cutting, Bending, Spinning, Wire Cutting, Stamping, EDM, Injection Molding
Materials	Aluminum, stainless steel, copper, iron, plastic, titanium alloy
Dimensions	Custom according to customer drawings
Tolerance	$\pm 0.001 \sim \pm 0.01 \text{ mm}$
Surface Roughness	Min Ra 0.1~3.2
Delivery Time	3-30 days based on product complexity and quantity



CNC turning



CNC Milling



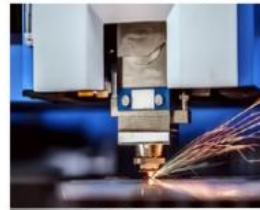
Laser Cutting



turn-milling machining



5axis CNC Machining



CNC Wire-Cutting

Surface Treatment Options

Type	Processes
Physical	Sandblasting, wire drawing, shot blasting, polishing, rolling, brushing, spraying, painting, powder spraying
Chemical	Bluish blackening, phosphating, pickling, electroless plating, carburizing, nitriding, chemical oxidation
Electrochemical	Anodic oxidation, hard anodic oxidation, electrolytic polishing, electroplating
Modern	CVD, PVD, ion implantation, ion plating, laser surface treatment

Quality Assurance

Our comprehensive quality control process includes:

- Material inspection for surface quality and dimensions
- Production inspection at each manufacturing stage
- Sampling inspection before warehouse storage
- 100% pre-shipment inspection by QC team



Push-pull Gauge



Quadratic Element Measuring Instrument



CMM



Color Tester



Digital Roughness Tester



Leeb Hardometer

Frequently Asked Questions

Q1: Are you a manufacturer or trading company?

A1: We operate a 1500-square-meter manufacturing facility in Huizhou, China.

Q2: Can I get a quote without drawings?

A2: Yes, we can quote based on samples, pictures, or drafts with dimensions.

Q3: How do you protect my design confidentiality?

A3: We strictly protect customer IP and can sign NDAs when required.

Q4: What is your typical lead time?

A4: Samples: 1-2 weeks; Production: 3-4 weeks depending on order size.

Q5: What if I receive defective parts?

A5: We will analyze the issue and remake the parts immediately at our cost.



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