



Custom Precision CNC Turning Service with Laser Engraving and 100% Inspection Guaranteed for Stainless Steel and Aluminum Parts

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: yuanwenyu
- Model Number: YWY450, OEM
- Minimum Order Quantity: 50



Product Specification

- Material Capabilities: Aluminum, Brass, Bronze, Copper, Hardened Metals, Precious Metals, Stainless Steel, Steel Alloys
- Surface Treatment: Sandblasting, Anodizing, Powder Coating
- Drawing Format: DXF / DWG / STEP / IGS / PDF
- Micro Machining: Yes
- CNC Machining: Yes
- Machining Types: Broaching, Drilling, Etching / Chemical Machining, Laser Machining, Milling, Rapid Prototyping, Turning, Wire EDM
- Stainless Steel Grades: SS201, SS301, SS303, SS304, SS316, SS416
- Aluminum Grades: AL6061, AL6063, AL6082, AL7075, AL5052, A380
- Brass Grades: HPb63, HPb62, HPb61, HPb59, H59, H68, H80, H90
- Copper Grades: C11000, C12000, C36000



More Images



Product Description

Advanced Custom Precision CNC Turning & Laser Engraving Services

The products shown here demonstrate our manufacturing capabilities. We specialize in custom CNC machining for stainless steel, aluminum, and other metal parts with precision laser engraving services.

[Submit your drawings for a free quote](#)

Small orders welcome - No minimum quantity requirements

Our in-house capabilities include: **CNC Milling, Turning, Lathe, Wire Cutting, EDM**, and laser marking for custom logos/designs.

CNC machining sample

Precision machined part

CNC turning sample

CNC Machining Services

Our precision CNC hardware serves aerospace, automotive, medical, and defense industries. We collaborate closely with clients to develop customized solutions for prototypes or high-volume production.

3D Printing Services

Available for aerospace, automotive, medical devices, and consumer products. Material options include plastics, metals, and carbon fiber for exceptional strength and precision.

Material Options

Material Type	Available Grades
Stainless Steel	SS201, SS301, SS303, SS304, SS316, SS416
Steel	Mild steel, Carbon steel, 4140, 4340, Q235, Q345B, 20#, 45#
Brass	HPb63, HPb62, HPb61, HPb59, H59, H68, H80, H90
Copper	C11000, C12000, C12000, C36000
Aluminum	AL6061, Al6063, AL6082, AL7075, AL5052, A380
Iron	A36, 45#, 1213, 12L14, 1215
Plastic	ABS, PC, PE, POM, Nylon, PP, Peek

Surface Treatment Options

Material	Available Finishes
Stainless Steel	Polishing, Passivating, Sandblasting, Laser engraving
Steel	Zinc plating, Oxide black, Nickel plating, Chrome plating, Carburized, Powder Coated
Aluminum	Clear Anodized, Color Anodized, Sandblast Anodized, Chemical Film, Brushing, Polishing
Plastic	Plating gold (ABS), Painting, Brushing (Acrylic), Laser engraving

[Two-color Anodizing sample](#)

[Zinc Plating sample](#)

[Nickle Plating sample](#)

[Chrome Plating sample](#)

[Silkscreen Print sample](#)

[Laser Engraving sample](#)

Technical Support

Our engineers are proficient in **AUTO CAD, PRO ENGINEER, SOLID WORKS** and other 2D & 3D software. We can develop products from drawings, samples, or conceptual ideas.

[CAD design sample](#)

[Engineering support](#)

Quality Control Process

- Incoming material inspection (IQC)
- Pre-production verification
- In-process quality control (IPQC)
- Final quality inspection (FQC)
- Outgoing quality control (OQC)

Company Profile

Huizhou Yuanwenyu Precision Parts Co., Ltd. has 16 years of manufacturing experience specializing in:

- CNC machining and turning
- Sheet metal fabrication
- 3D printing services
- Custom design and manufacturing

We support customization of precision parts in various metals and plastics, with comprehensive post-processing options.

Our facility includes:

- 25 CNC machining centers
- 12 CNC turning/milling centers
- 20 CNC lathes
- 10 3D printers
- Wire cutting and grinding equipment
- Dimensional testing instruments

[Factory facility](#)

[Production equipment](#)

Why Choose Us

- Design assistance and engineering support
- OEM CNC parts specialization
- Complete production capabilities
- Advanced CAD/CAM programming
- Prototype machining
- Strict quality control standards
- Continuous equipment upgrades
- Small quantity orders accepted

Frequently Asked Questions

1. Are you a manufacturer or trading company?

We operate a 1500-square-meter factory in Huizhou, China.

2. Can I get a quote without drawings?

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

3. How do you protect my design confidentiality?

We strictly protect customer privacy and can sign NDAs if required.

4. Do you provide samples?

Yes, sample fees apply but may be credited against production orders.

5. What are your lead times?

Samples: 1-2 weeks; Production: 3-4 weeks.

6. How is quality controlled?

Through material inspection, production checks, sampling, and 100% pre-shipment inspection.

7. What if we receive defective parts?

We will analyze the issue and remake the parts immediately.



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