



# Precision CNC Machining Parts Production Customized Aluminum Stainless Steel Brass Components Manufacturer

# Our Product Introduction

## Basic Information

- |                           |   |
|---------------------------|---|
| ● Place of Origin:        | Shenzhen China                                |
| ● Brand Name:             | Xianheng                                      |
| ● Certification:          | ISO9001:2015                                  |
| ● Model Number:           | CNC-XG-076                                    |
| ● 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

- Application: Automotive, Aerospace, Medical, Etc.
- Drawing Format: CAD, PDF, JPG, Etc.
- Inspection: 100% Inspection Before Shipment
- Lead Time: 7-15 Days
- MOQ: 1 Piece
- Material: Metal
- Package: Carton Box, Wooden Box, Etc.
- Payment Term: T/T, L/C, PayPal, Etc.
- Process: CNC Machining
- Size: Customized
- Surface Treatment: Polishing, Sandblasting, Anodizing, Etc.
- Tolerance: ±0.005mm
- Transport: By Air, By Sea, By Express, Etc.
- Highlight: **Brass CNC Machining Parts,**



***More Images***



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## Product Description

### What We Can Provide

Precision CNC Machining Parts Production Customized Aluminum Stainless Steel Brass Components Manufacturer

#### Description Of Precision CNC Machining Parts Production Customized Aluminum Stainless Steel Brass Components Manufacturer

A Precision CNC Machining Parts Manufacturer specializes in producing high-accuracy, custom metal components using Computer Numerical Control (CNC) technology. These manufacturers cater to industries that demand tight tolerances, complex geometries, and superior surface finishes. They work with materials like aluminum, stainless steel, brass, and other metals to create parts for a wide range of applications.

#### Core Capabilities

##### CNC Machining Processes:

CNC Milling: For creating complex 3D shapes, slots, holes, and contours.

CNC Turning: For producing cylindrical parts like shafts, rods, and bushings.

Multi-Axis Machining: For intricate parts requiring high precision (e.g., 4-axis and 5-axis CNC machines).

##### Materials Expertise:

Aluminum: Lightweight, corrosion-resistant, and ideal for aerospace, automotive, and electronics.

Stainless Steel: Durable, corrosion-resistant, and suitable for medical, food processing, and industrial applications.

Brass: Excellent machinability and electrical conductivity, often used in plumbing, electrical, and decorative components.

Other metals: Copper, titanium, carbon steel, etc.

**Tolerances:** Achieves ultra-tight tolerances (typically  $\pm 0.005\text{mm}$  to  $\pm 0.02\text{mm}$ ) for high-precision applications.

#### Material Of Precision CNC Machining Parts Production Customized Aluminum Stainless Steel Brass Components Manufacturer

<b>Processing</b>	CNC Turning, CNC Milling, Laser Cutting, Bending, Spinning, Wire Cutting, Stamping, Electric Discharge Machining (EDM), Injection Molding		
<b>Materials</b>	Aluminum: 2000 series, 6000 series, 7075, 5052, etc.		
	Stainless steel: SUS303, SUS304, SS316, SS316L, 17-4PH, etc.		
	Steel: 1214L/1215/1045/4140/SCM440/40CrMo, etc.		
	Brass: 260, C360, H59, H60, H62, H63, H65, H68, H70, Bronze, Copper		
	Titanium: Grade F1-F5		
	Plastic: Acetal/POM/PA/Nylon/PC/PMMA/PVC/PU/Acrylic/ABS/PTFE/PEEK etc.		
<b>Surface Treatment</b>	Anodized, Bead Blasted, Silk Screen, PVD Plating, Zinc/Nickel/Chrome/Titanium Plating, Brushing, Painting, Powder Coated, Passivation, Electrophoresis, Electro Polishing, Knurl, Laser/Etch/Engrave etc.		
<b>Tolerance</b>	$\pm 0.002 \sim \pm 0.005\text{mm}$		
<b>Surface Roughness</b>	Min Ra 0.1~3.2		

#### Application Of Precision CNC Machining Parts Production Customized Aluminum Stainless Steel Brass Components Manufacturer

1. Computers and Laptops: Skived heatsinks are widely used in computer processors, graphics cards, and other internal components to dissipate heat generated during intense computing tasks. They help prevent overheating and maintain optimal performance.
2. LED Lighting: LED lights generate heat, and efficient cooling is essential to maintain their longevity and brightness. Skived heatsinks are used in various LED lighting applications, including residential, commercial, and automotive lighting systems.
3. Audio Amplifiers: High-power audio amplifiers generate significant heat during operation. Skived heatsinks are employed to cool down the amplifier circuitry, ensuring stable performance and minimizing distortion.

#### Features Of Precision CNC Machining Parts Production Customized Aluminum Stainless Steel Brass Components Manufacturer

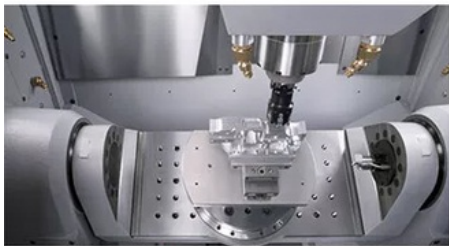
1. Efficient Heat Dissipation: Aluminum is a highly efficient conductor of heat, and skived heatsinks are designed to maximize the surface area for heat dissipation. The skived fin structure enhances the heatsink's ability to transfer heat away from the electronic components.
2. Thin and Lightweight: Skived heatsinks are manufactured using a precision machining process that allows for the creation of thin and lightweight fins. This design makes them suitable for applications where space and weight are critical considerations.

3. Customizable Fin Geometry: The skiving process allows for the creation of intricate and customizable fin geometries, which can be tailored to specific thermal requirements and airflow conditions. This flexibility ensures optimal performance for various applications.

## Why Choose Us

### Our Advantages

1. Small details make big difference. We promise: All the parts from our company have no sharp edge. All dimensions are controlled according to your drawings. Every product will be fully inspected and carefully packed to prevent the bump and rust in transit.
2. The craftsmanship of all parts we machined is controlled rigorously, Every product has its own process card and process chart.
3. Our quality inspection procedure is quite strict. It must self-inspected during production, we have flow inspectors and professional inspectors.
4. Each size of product must be tested one by one after completing production and provide quality report.
5. The most important point, we are the entity factory, not trading company. Price is the composition of the actual product quality price. Quality can guarantee more controllable higher than trading company. The price is competitive, at least reducing the trade company's service fee.
6. We have many years of export experience, exports to the US, Europe, Japan and other countries and regions.
7. Our team are more professional. We have more reasonable price and better quality controlling than trade company. And our language ability is also diversified.



### High Precision

**5-Axis CNC & Imported machines  
with accuracy  $\pm 0.02-0.10\text{mm}$**



### Fast Lead Time

**Multiple CNC machines, skillful  
workers, guarantee fast lead time**



### Strictly Confidential

**We will protect the customers' design  
and the customer can request a  
confidentiality agreement**



### Quality Inspection

**We have a strict quality inspection  
process to ensure the quality of our  
products**

# 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

1. How can I get the price? - We usually quote within 24 hours after we get your inquiry (except weekend and holidays). If you are urgent to get the price, please email us or contact us in other ways so that we can offer you a quote.
2. Can I buy samples? - Yes. Please feel free to contact us.
3. What is your lead time? - It depends on the order quantity and the season you place the order. Usually we can ship within 7-15 days for small quantity, and about 30 days for large quantity.
4. What is your payment term? - T/T, Western Union, MoneyGram, and Paypal. This is negotiable.
5. What is the shipping method? - It could be shipped by sea, by air, or by express (EMS, UPS, DHL, TNT, FEDEX etc). Please confirm with us before placing orders.
6. How do you make our business long-term and good relationship? - We keep good quality and competitive price to ensure our customers benefit. Furthermore, we respect every customer as our friend and we sincerely do business and make friends with them, no matter where they come from.



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