



## Precision Manufacturing CNC Metal Machining Parts for Aluminum Stainless Steel Brass Components

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: CNC-XG-074
- 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:  $\pm 0.005\text{mm}$
- Transport: By Air, By Sea, By Express, Etc.



### More Images



## Product Description

### What We Can Provide

Precision Manufacturing CNC Metal Machining Parts for Aluminum Stainless Steel Brass Components

#### Description Of Precision Manufacturing CNC Metal Machining Parts for Aluminum Stainless Steel Brass Components

Precision CNC (Computer Numerical Control) metal machining is a highly advanced manufacturing process used to produce custom metal components with exceptional accuracy, repeatability, and surface finish. This method is widely applied to materials such as aluminum, stainless steel, and brass, which are favored for their mechanical properties, corrosion resistance, and aesthetic appeal.

#### Material Of Precision Manufacturing CNC Metal Machining Parts for Aluminum Stainless Steel Brass Components

<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
<b>Surface Treatment</b>	Plastic: Acetal/POM/PA/Nylon/PC/PMMA/PVC/PU/Acrylic/ABS/PTFE/PEEK etc.
	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>	±0.002 ~ ±0.005mm
<b>Surface Roughness</b>	Min Ra 0.1~3.2

#### Application Of Precision Manufacturing CNC Metal Machining Parts for Aluminum Stainless Steel Brass Components

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 Manufacturing CNC Metal Machining Parts for Aluminum Stainless Steel Brass Components

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

#### Advantages

##### 1. High Efficiency & Automation

CNC machines operate 24/7 with minimal human intervention, reducing labor costs and lead times. Multi-tasking capabilities (e.g., drilling, milling, turning in a single setup) streamline production.

##### 2. Superior Accuracy & Consistency

Digital programming eliminates human error, ensuring every part meets exact specifications. Ideal for tight-tolerance applications (e.g., medical implants, aerospace components).

### 3. Design Flexibility & Rapid Iteration

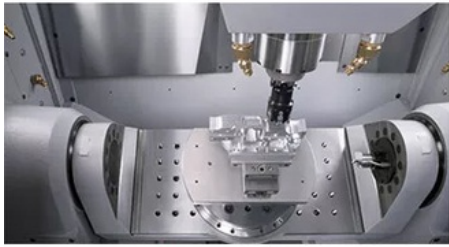
Complex geometries (e.g., helical cuts, undercuts) are easily programmable.

Quick design modifications via software updates reduce time-to-market for new products.

### 4. Cost-Effectiveness in Low-to-Medium Volumes

Unlike traditional machining, CNC eliminates the need for expensive custom tooling.

Scalable production (from prototypes to 100,000+ units) optimizes cost per part.



#### 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



### 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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