Shenzhen China

ISO9001:2015

CNC-XG-071

USD \$0.1-\$1.99

10000 pcs per week

requirements

Carton, As Customers'packaging

T/T, Western Union, MoneyGram

Carton Box, Wooden Box, Etc.

Polishing, Sandblasting, Anodizing, Etc.

By Air, By Sea, By Express, Etc.

T/T, L/C, PayPal, Etc.

**CNC** Machining

Customized

±0.005mm

Xianheng

1 pcs

days



### Custom CNC Machining Parts Aluminum Stainless Steel Brass Metal Processing CNC Machining Spare Parts

### **Basic Information**

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:

Our Product Introduction

for more products please visit us on cnc-metalmachining.com

- Packaging Details:
- Delivery Time: Samples 7-10 days, Mass production 20-25
  - \_ .\_
- Payment Terms:
- Supply Ability:



### Product Specification

- Application: Automotive, Aerospace, Medical, Etc.
  Drawing Format: CAD, PDF, JPG, Etc.
- Inspection: 100% Inspection Before Shipment

7-15 Days

1 Piece Metal

- Lead Time:
- MOQ:
- Material:
- Package:
- Payment Term:
- Process:
- Size:
- Surface Treatment:
- Tolerance:
- Transport:



### More Images



### What We Can Provide

Custom CNC Machining Parts Aluminum Stainless Steel Brass Metal Processing CNC Machining Spare Parts

# Description Of Custom CNC Machining Parts Aluminum Stainless Steel Brass Metal Processing CNC Machining Spare Parts

Custom CNC (Computer Numerical Control) machining parts made from materials such as aluminum, stainless steel, and brass are precision-engineered components manufactured using advanced CNC machines. These machines follow a set of programmed instructions to accurately cut, shape, drill, and finish the raw metal materials into the desired spare parts.

# Material Of Custom CNC Machining Parts Aluminum Stainless Steel Brass Metal Processing CNC Machining Spare Parts

Proces	CNC Turning, CNC Milling, Laser Cutting, Bending, Spinning, Wire Cutting,	_
sing	Stamping, Electric Discharge Machining (EDM), Injection Molding	
	Aluminum: 2000 series, 6000 series, 7075, 5052, etc.	
	Stainless steel: SUS303, SUS304, SS316, SS316L, 17-4PH, etc.	
Materia	Steel: 1214L/1215/1045/4140/SCM440/40CrMo, etc.	
ls	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.	
Surfac e Treatm ent	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.	
Toleran ce	±0.002 ~ ±0.005mm	
Surfac e Rough ness	Min Ra 0.1~3.2	

# Application Of Custom CNC Machining Parts Aluminum Stainless Steel Brass Metal Processing CNC Machining Spare Parts

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 Custom CNC Machining Parts Aluminum Stainless Steel Brass Metal Processing CNC Machining Spare Parts

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 Precision and Accuracy

CNC machines are capable of achieving extremely tight tolerances, often in the range of micrometers. This level of precision ensures that the custom spare parts fit perfectly within the overall assembly, reducing the need for rework or adjustments during the final product manufacturing stage. For example, in the aerospace industry, where even the smallest deviation can have serious consequences, CNC-machined aluminum parts are essential for ensuring the safe and efficient operation of

aircraft components.

#### 2. Versatility in Material and Design

CNC machining can work with a wide range of metals, including aluminum, stainless steel, and brass, each offering unique properties that can be tailored to specific application requirements. Additionally, the process allows for the creation of complex geometries and intricate designs that would be difficult or impossible to achieve with traditional manufacturing methods. This versatility enables designers and engineers to push the boundaries of innovation and create customized spare parts that meet the exact needs of their projects, whether it's a highly specialized brass valve for a plumbing system or a complex stainless steel component for a medical device.

#### 3. Cost-Effectiveness in the Long Run

Although the initial setup costs for CNC machining, such as tooling and programming, can be relatively high, the process becomes highly cost-effective for medium to large production runs. Once the CNC program is set up, the machines can run continuously with minimal operator intervention, resulting in high production efficiency and reduced labor costs. Moreover, the high precision of CNC machining reduces material waste, as the machines can optimize the cutting process to use the raw metal material as efficiently as possible. This combination of factors makes custom CNC-machined spare parts a cost-effective solution for many industries, especially those that require high-quality, precision components on a regular basis.



**High Precision** 





Fast Lead Time

Multipe 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 Show**

## 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, Hight, Width), CAD or 3D file will be made for you if placed order.

