



CNC Metal Machining Parts Production Customized Aluminum Stainless Steel Brass Components

Our Product Introduction

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

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: CNC-XG-075
- 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.
- Highlight: **Customized Aluminum CNC Metal Machining Parts**



More Images



Product Description

What We Can Provide

CNC Metal Machining Parts Production Customized Aluminum Stainless Steel Brass Components

Description Of CNC Metal Machining Parts Production Customized Aluminum Stainless Steel Brass Components Producer

A CNC Metal Machining Parts Producer specializes in manufacturing precision metal components using Computer Numerical Control (CNC) technology. These producers cater to industries requiring high-quality, customized metal parts made from materials like aluminum, stainless steel, brass, and other metals.

Core Capabilities

CNC Machining: Utilizes advanced CNC milling, turning, and multi-axis machining to produce complex, high-precision parts.
Tolerances: Achieves tight tolerances (typically $\pm 0.01\text{mm}$ to $\pm 0.05\text{mm}$) for high-precision applications.
Surface Finishing: Offers various finishing options, such as anodizing, polishing, powder coating, plating, and sandblasting.

Customization Services

Design Support: Provides DFM (Design for Manufacturing) feedback to optimize part designs for cost-effectiveness and manufacturability.
Prototyping: Rapid prototyping services to test and validate designs before full-scale production.
Small to Large Batch Production: Capable of handling both low-volume and high-volume orders.
Custom Specifications: Tailors parts to meet specific requirements, including dimensions, tolerances, and material properties.

Industries Served

Aerospace: High-strength, lightweight components for aircraft and spacecraft.
Automotive: Engine parts, transmission components, and custom fittings.
Medical: Precision surgical instruments, implants, and diagnostic equipment.
Electronics: Heat sinks, enclosures, and connectors.
Industrial Machinery: Gears, shafts, and custom fittings.

Material Of CNC Metal Machining Parts Production Customized Aluminum Stainless Steel Brass Components Producer

Processing	CNC Turning, CNC Milling, Laser Cutting, Bending, Spinning, Wire Cutting, Stamping, Electric Discharge Machining (EDM), Injection Molding
Materials	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.
Surface Treatment	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.
Tolerance	$\pm 0.002 \sim \pm 0.005\text{mm}$
Surface Roughness	Min Ra 0.1~3.2

Application Of CNC Metal Machining Parts Production Customized Aluminum Stainless Steel Brass Components Producer

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.

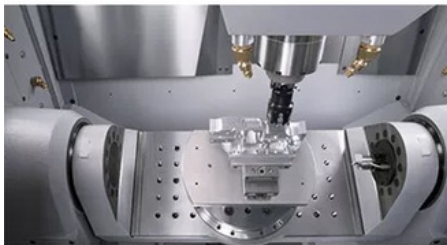
Features Of CNC Metal Machining Parts Production Customized Aluminum Stainless Steel Brass Components Producer

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. Quality control: the defective products rate is 0.1%. Imported material 100%.
2. Reasonable price. Precision made. Experience & reasonable QC that you can rely on.
3. Each part would be given 100% test and tryout before shipment.
4. Adequate supply capacity. Punctual delivery time.



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

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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