



Custom High-Accuracy CNC Components Manufacturer Factory for Prototypes & Production

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: CNC-XG-094
- 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

Custom High-Accuracy CNC Components Manufacturer Factory for Prototypes & Production

Description Of Custom High-Accuracy CNC Components Manufacturer Factory for Prototypes & Production

Specializes in precision CNC machining for custom prototypes and volume production, utilizing 5-axis CNC technology, CAD/CAM optimization, and metrology-grade inspection to deliver parts with $\pm 0.01\text{mm}$ tolerances. Supports diverse material needs (aerospace alloys, medical polymers) and offers end-to-end solutions from design to finished components.

Material Of Custom High-Accuracy CNC Components Manufacturer Factory for Prototypes & Production

| | |
|-------------------|---|
| 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 Custom High-Accuracy CNC Components Manufacturer Factory for Prototypes & Production

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 High-Accuracy CNC Components Manufacturer Factory for Prototypes & Production

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

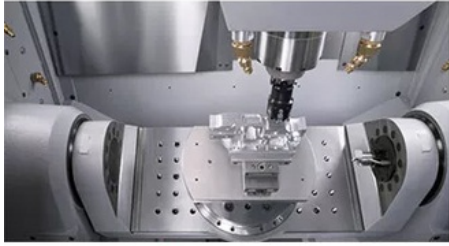
Rapid Prototyping: 48-hour lead times for functional prototypes, enabling faster design validation and iteration.

Scalable Production: Seamless transition from low-volume prototypes to high-volume manufacturing with consistent quality control.

Material Expertise: Handles specialized materials (e.g., titanium, PEEK, aluminum 7075) with precision machining and surface finishing.

Quality Certifications: Compliant with ISO 9001, AS9100, and ISO 13485 standards, ensuring reliability for critical

applications in aerospace, medical, and automotive sectors.



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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