



Custom CNC Machining Parts Lightweight Corrosion-Resistant Aluminum Components Production

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-077
- 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: **Corrosion-Resistant CNC Machining Parts, Aluminum Components CNC Machining Parts,**



More Images



Product Description

What We Can Provide

Custom CNC Metal Machining Parts Lightweight Corrosion-Resistant Aluminum Components Production Supplier

Description Of Custom CNC Metal Machining Parts Lightweight Corrosion-Resistant Aluminum Components Production Supplier

In the realm of precision engineering and manufacturing, finding a reliable supplier of custom CNC metal machining parts is crucial for achieving optimal performance and reliability in your products. One such supplier stands out for its expertise in producing lightweight, corrosion-resistant aluminum components tailored to meet the exact specifications of clients across various industries.

Specializing in Aluminum Components

Our company specializes in the production of aluminum components using state-of-the-art CNC machining technology. Aluminum is a versatile material known for its lightweight properties, making it ideal for applications where reducing weight is critical, such as aerospace, automotive, and defense sectors. Additionally, aluminum's corrosion resistance ensures that the components can withstand harsh environments and maintain their integrity over extended periods.

Custom Design and Manufacturing

We understand that every project has unique requirements. Therefore, we offer comprehensive custom design and manufacturing services. Our team of engineers and designers work closely with clients to understand their specific needs, from concept development to final production. Utilizing advanced CAD/CAM software, we create precise digital models that are translated into finished parts through our precision CNC machining processes.

Precision CNC Machining

At the heart of our production capabilities lies our range of high-performance CNC machines. These cutting-edge tools enable us to achieve unparalleled precision and accuracy in the machining of aluminum components. Whether it's milling, drilling, turning, or any other complex machining operation, we ensure that each component meets the tightest tolerances and specifications.

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

Material Of Custom CNC Metal Machining Parts Lightweight Corrosion-Resistant Aluminum Components Production Supplier

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		
Surface Treatment	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.		
Tolerance	$\pm 0.002 \sim \pm 0.005\text{mm}$		
Surface Roughness	Min Ra 0.1~3.2		

Application Of Custom CNC Metal Machining Parts Lightweight Corrosion-Resistant Aluminum Components Production Supplier

- 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.
- 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.
- 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.

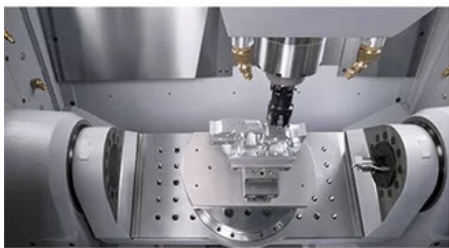
Features Of Custom CNC Metal Machining Parts Lightweight Corrosion-Resistant Aluminum Components Production Supplier

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. **Precision and Customization:** The supplier's use of advanced CNC machining technology and CAD/CAM software allows for the production of highly precise and customized aluminum components. This ensures that each component meets the exact specifications and requirements of the client, enabling optimal performance and reliability in their applications.
2. **Corrosion Resistance and Durability:** By offering corrosion resistance treatments such as anodizing or powder coating, the supplier enhances the durability of the aluminum components. This protective layer shields the components from environmental factors that could cause degradation, ensuring they retain their performance and aesthetics even in harsh conditions.
3. **Quality Assurance and Client Satisfaction:** The supplier's commitment to quality assurance throughout the production process, combined with their dedication to providing exceptional customer service, ensures client satisfaction. Rigorous quality checks and advanced testing equipment verify the dimensions, material properties, and corrosion resistance of each component, meeting or exceeding industry standards and client expectations. This fosters long-term relationships and trust between the supplier and their clients.



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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