



Precision Reliability Custom Aluminum CNC Parts with Advanced Machining Capabilities Supplier

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: AL-CNC-079
- 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

- Cnc Machining Or Not: CNC Machining
- Type: Milling, Turning, Machining
- Material Capabilities: Copper, Aluminum, Bronze, Stainless Steel, Brass
- Surface Treatment: Anodizing, Brush, Anodized, Painting/Powder Coating/Sandblast/Color Anodize/Polish/Oxidation
- Application: Machinery, Automotive, Laptop, Industrial Equipment, Engineering
- Keyword: Aluminum Enclosure Box
- Tolerance: 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm
- Service: Customized OEM
- Sample: Acceptable
- Highlight: **Precision Reliability Aluminum CNC Parts, Custom Aluminum CNC Parts, Advanced Machining Capabilities Aluminum CNC Parts**



More Images



Product Description

What We Can Provide

Precision Reliability Custom Aluminum CNC Parts with Advanced Machining Capabilities Supplier

Description of Precision Reliability Custom Aluminum CNC Parts with Advanced Machining Capabilities Supplier

A supplier specializing in precision reliability custom aluminum CNC parts with advanced machining capabilities offers tailored solutions to industries requiring high-performance, durable, and accurately manufactured components. Leveraging state-of-the-art CNC technology, these suppliers deliver aluminum parts that meet stringent quality standards, ensuring optimal functionality and reliability in applications ranging from aerospace and automotive to medical devices and robotics. By combining advanced machining techniques with premium aluminum materials, they enable clients to achieve superior product designs, enhanced efficiency, and long-term cost savings. The supplier's expertise lies in translating complex customer specifications into precision-engineered parts, backed by rigorous quality control processes and a commitment to excellence.

Specification of Precision Reliability Custom Aluminum CNC Parts with Advanced Machining Capabilities Supplier

CNC Capacity				
CNC Machining Center	3 / 4 / 5 axis CNC Machining Centers	40+ CNC Machines		
CNC Turning	φ0.5 - φ300 * 750 mm	DIN-2768-Fine +/-0.005 mm		
CNC Machining	1270×508×635 mm(max)	DIN-2768-Fine +/-0.005 mm		
CNC Stamping	1000 * 1000 mm(max)	DIN-2768-Fine +/-0.005 mm		
Drawing Format	IGS,STP,X_T ,DXF,DWG , Pro/E, PDF			
Inspection Equipments	Measurement Instrument, Projector, CMM, Altimeter, Micrometer, Thread Gages, Calipers, Pin Gauge etc.			
Material Available				
Stainless Steel	SS201,SS301, SS303, SS304, SS316, SS416, 17-4PH, etc.			
Steel	Mild steel, Carbon Steel, 4140, 4340, Q235, Q345B, 20#, 45# etc.			
Brass	HPb63, HPb62, HPb61, HPb59, H59, H68, H80, H90 etc.			
Copper	C11000,C12000,C12000 C36000 etc.			
Aluminum	AL6061, AL6063, AL6082, AL7075, AL5052, A380 etc.			
Iron	A36, 45#, 1213, 12L14, 1215 etc.			
Plastic	ABS, PC, PE, POM, Delrin, Nylon, Teflon, PP,PEI, Peek etc.			
Surface Finishing				
Aluminum Parts	Stainless Steel Parts	Steel Parts	Copper /Brass	Plastic Parts
Clear Anodized	Polishing	Zinc plating	Polishing	Painting
Color Anodized	Passivating	Oxide black	Passivation	Chrome plating
Sandblast Anodized	Sandblasting	Nickel plating	Galvanized	polishing
Chemical Film	Laser engraving	Chrome plating	Nickel Plating	Sandblast
Brushing		Carburized	Chrome plating	Laser engraving
Polishing		Heat treatment		
Chroming		Powder Coated		

Application Of Precision Reliability Custom Aluminum CNC Parts with Advanced Machining Capabilities Supplier

1. Auto Components Hardware Parts Auto Parts
2. Communication Equipment
3. Industrial Equipment
4. Medical EquipmentsMechanical Parts
5. Ship Accessories
6. Electrical Equipment
7. Mechanical Equipment

Feature Of Precision Reliability Custom Aluminum CNC Parts with Advanced Machining Capabilities Supplier

1. Good corrosion resistance
2. High strength and hardness
3. High thermal conductivity
4. Good finishing characteristics

Why Choose Us

Advantages

1. Unparalleled Precision and Tolerance Control

Advanced CNC machining allows suppliers to manufacture aluminum parts with exceptional accuracy, adhering to tight tolerances (often within micrometers). This precision ensures seamless integration into critical systems, reducing the risk of malfunctions or failures in high-stakes environments. Whether for intricate medical instruments or aerospace components, the supplier's ability to maintain consistent quality guarantees reliable performance and safety.

2. Material Optimization and Customization Flexibility

Aluminum's lightweight, corrosion-resistant, and thermally conductive properties make it ideal for diverse applications. Suppliers with advanced machining capabilities can optimize part designs to leverage these advantages, creating customized solutions that balance strength, weight, and functionality. This flexibility enables clients to innovate with unique geometries, lightweight structures, and integrated features, all while maintaining structural integrity and durability.

3. Scalability, Efficiency, and Cost-Effectiveness

Suppliers utilizing advanced CNC technology benefit from streamlined production processes, reducing lead times and material waste. Automated workflows enhance scalability, allowing suppliers to meet fluctuating demand without sacrificing quality. For clients, this translates to faster time-to-market, lower operational costs, and the ability to invest in research and development. Additionally, the reliability of CNC-machined aluminum parts often reduces long-term maintenance and replacement expenses, offering a sustainable value proposition.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



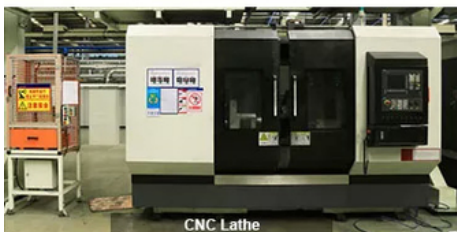
Hydraulic Press Machine



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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