



Custom Aluminum CNC Parts with Advanced Machining Capabilities for Precision Components Manufacturer

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-078
- 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: **Advanced Machining Aluminum CNC Parts, Custom Aluminum CNC Parts, Precision Components Aluminum CNC Parts**



More Images



Product Description

What We Can Provide

Custom Aluminum CNC Parts with Advanced Machining Capabilities for Precision Components Manufacturer

Description of Custom Aluminum CNC Parts with Advanced Machining Capabilities for Precision Components Manufacturer

Custom Aluminum CNC Parts represent a cutting-edge solution in precision engineering, combining advanced Computer Numerical Control (CNC) technology with high-quality aluminum materials to produce components tailored to the exact specifications of diverse industries. These parts are designed and manufactured using state-of-the-art CNC machines, which offer unparalleled precision, repeatability, and flexibility, allowing for the creation of intricate geometries, tight tolerances, and complex features that traditional manufacturing methods cannot achieve. Whether for aerospace, automotive, medical devices, electronics, or industrial automation, these custom aluminum CNC parts meet the stringent demands of modern precision component manufacturing, ensuring optimal performance, reliability, and durability.

Specification of Custom Aluminum CNC Parts with Advanced Machining Capabilities for Precision Components Manufacturer

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 Custom Aluminum CNC Parts with Advanced Machining Capabilities for Precision Components Manufacturer

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 Custom Aluminum CNC Parts with Advanced Machining Capabilities for Precision Components Manufacturer

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

Why Choose Us

Advantages

1. Unmatched Precision and Consistency

Advanced CNC machining ensures that every component is manufactured with exceptional accuracy, adhering to the tightest tolerances required by high-precision applications. The automated nature of CNC technology eliminates human error, guaranteeing consistent quality across all production runs. This precision is crucial for industries where even minor deviations can impact performance, safety, or functionality.

2. Versatility in Design and Material Utilization

CNC machines excel at processing aluminum, a lightweight yet robust material favored for its excellent strength-to-weight ratio, corrosion resistance, and thermal conductivity. Manufacturers can leverage CNC capabilities to create complex, customized designs that would be impractical or impossible with conventional methods. This flexibility allows for the optimization of part geometry, weight reduction, and integration of advanced features, all while maintaining structural integrity.

3. Enhanced Efficiency and Cost-Effectiveness

Despite the advanced technology involved, CNC machining offers significant efficiency gains. Automated processes reduce lead times, streamline production workflows, and minimize material waste through optimized cutting paths. For precision component manufacturers, this translates to faster time-to-market, lower production costs, and the ability to scale operations without compromising quality. Additionally, the durability and reliability of aluminum CNC parts often lead to longer product lifecycles, reducing maintenance and replacement expenses for end-users.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



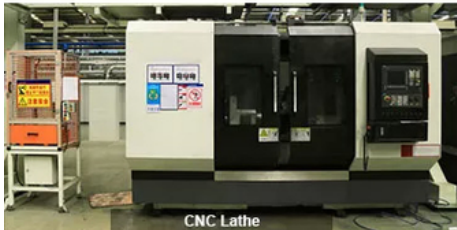
Hydraulic Press Machine



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.



Shenzhen Xianheng Technology Co.,Ltd

☎ 0086-13682614486

✉ shawn@xianheng-tech.com

🌐 cnc-metalmachining.com

Room 8-1409, Xingji jiyuan building 8-9#, HongXing community, Songgang street, Bao'an District, Shenzhen
City China