



## High Precision Aluminum CNC Parts Advanced CNC Machining Capabilities Expertise OEM Machined Elements

Our Product Introduction

for more products please visit us on [cnc-metalmachining.com](http://cnc-metalmachining.com)

### Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: AL-CNC-070
- 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



### More Images



## Product Description

### What We Can Provide

High Precision Aluminum CNC Parts Advanced CNC Machining Capabilities Expertise OEM Machined Elements

#### Description of High Precision Aluminum CNC Parts Advanced CNC Machining Capabilities Expertise OEM Machined Elements

High Precision Aluminum CNC Parts represent a class of machined components that are crafted from aluminum using Computer Numerical Control (CNC) technology to achieve remarkable precision and accuracy. These parts are often utilized in industries where tight tolerances and complex geometries are critical, such as aerospace, automotive, medical, and electronics.

Advanced CNC Machining Capabilities refer to the sophisticated technology and equipment used to manufacture these high-precision aluminum parts. Modern CNC machines are equipped with precision tools and cutting-edge software that enable them to achieve intricate details and tight tolerances with consistent accuracy. These machines can operate with high speed and efficiency, allowing for the production of complex parts with minimal waste and downtime.

Expertise in this field involves a comprehensive understanding of both the material properties of aluminum and the capabilities of advanced CNC machining technology. Manufacturers who specialize in high precision aluminum CNC parts possess the knowledge and skills necessary to design and produce custom machined elements that meet the unique needs of their clients. This expertise includes a deep understanding of the aluminum alloy being used, the machining processes involved, and the potential challenges that may arise during production.

OEM Machined Elements are custom-made components that are produced to meet the specific requirements of Original Equipment Manufacturers (OEMs). These elements can range from simple brackets and fasteners to complex assemblies and sub-assemblies. By leveraging advanced CNC machining capabilities and expertise, OEMs can produce high-precision aluminum parts that are tailored to their unique specifications and design requirements.

#### Specification of High Precision Aluminum CNC Parts Advanced CNC Machining Capabilities Expertise OEM Machined Elements

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 High Precision Aluminum CNC Parts Advanced CNC Machining Capabilities Expertise OEM Machined Elements

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

#### **Feature Of High Precision Aluminum CNC Parts Advanced CNC Machining Capabilities Expertise OEM Machined Elements**

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

## **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.

## **Factory Show**

### **Factory Equipment**



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



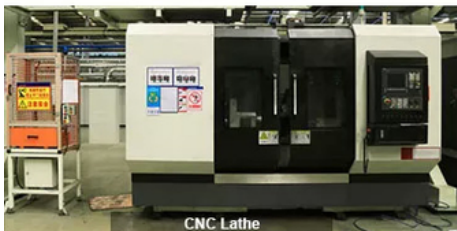
Hydraulic Press Machine



SLS/SLA Machine



5-Axis CNC



CNC Lathe



Laser cutting Machine



CNC Punching Machine



Injection Molding machine



## FAQ

Q: How can I customize my products ?

A: Please describe your project. Include the following information so that we can provide an accurate quote: Part Name, 3D CAD Drawing, Quantity, Material, Color, Finishing.

Q: How can I know my products going on ?

A: We will offer a detailed production schedule and send weekly reports with digital pictures and videos which show the production process.

Q: Can You sign a confidentiality greement ?

A: We can sign a confidentiality agreement according to your needs.

Q: What is your terms of payment ?

A: 30% in advance ,70% balance before shipment. Other terms negotiable.

Q: Are you a trading company or factory?

A: We are direct factory with 20 experienced engineers and more than 80 employees as well approximate 3,000 square meters workshop area.

Q: What shall we do if we do not have drawings?

A: 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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