Shenzhen China

ISO9001:2015

USD \$0.1-\$1.99

10000 pcs per week

requirements

Carton, As Customers'packaging

T/T, Western Union, MoneyGram

AL-CNC-070

Xianheng

1 pcs

days



Custom Aluminum CNC Parts for OEM Applications Precision Machining Tight Tolerances Parts Aluminum Components

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
 - Packaging Details:
 - Delivery Time: Samples 7-10 days, Mass production 20-25
 - Payment Terms:
 - Supply Ability:

Product Specification

 Cnc Machining Or Not: **CNC** Machining Milling, Turning, Machining • Type: • 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 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm Tolerance: Service: Customized OEM Sample: Acceptable



More Images



Product Description

What We Can Provide

Custom Aluminum CNC Parts for OEM Applications Precision Machining Tight Tolerances Parts Aluminum Components

Description of Custom Aluminum CNC Parts for OEM Applications Precision Machining Tight Tolerances Parts Aluminum Components

Custom aluminum CNC parts designed for OEM (Original Equipment Manufacturer) applications are precision - engineered components crafted through Computer Numerical Control (CNC) machining processes. These parts are specifically tailored to meet the unique requirements of OEMs, who integrate them into their larger products or systems.

Specification of Custom Aluminum CNC Parts for OEM Applications Precision Machining Tight Tolerances Parts Aluminum Components

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-Fir	ne +/-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 for OEM Applications Precision Machining Tight Tolerances Parts Aluminum Components

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 for OEM Applications Precision Machining Tight Tolerances Parts Aluminum Components

1. Good corrosion resistance

2. High strength and hardness

3. High thermal conductivity

4. Good finishing characteristics

Our advantages

1. Enhanced Product Performance

The high precision and tight tolerances of custom aluminum CNC parts contribute significantly to the overall performance of the OEM's product. When parts fit together perfectly, there is less friction, wear, and tear, which improves the efficiency and reliability of the system. For example, in the automotive industry, precisely machined aluminum components in engines or transmission systems can lead to better fuel efficiency, reduced emissions, and a longer lifespan for the vehicle.

2. Lightweight Design Benefits

Aluminum's inherent lightweight nature is a major advantage for OEMs. By using custom aluminum CNC parts, they can reduce the weight of their products without compromising on strength or durability. This is particularly important in applications where weight directly impacts energy consumption, such as in electric vehicles, drones, or portable electronic devices. A lighter product can have a longer battery life, be easier to handle, and may even offer improved maneuverability.

3. Design Freedom and Innovation

Custom aluminum CNC parts offer OEMs a high degree of design freedom. They can create unique and innovative products that stand out in the market. The ability to machine complex shapes and features allows for the development of new and improved functionalities. For instance, in the medical device industry, custom aluminum CNC parts can be designed to fit the specific anatomical requirements of patients or to enable more advanced diagnostic and treatment procedures.

4. Cost - Efficiency and Reduced Lead Times

While the initial investment in custom CNC machining may seem high, it can lead to long - term cost savings. The precise manufacturing process minimizes material waste, as the CNC machines only remove the necessary amount of material to create the part. Additionally, the ability to produce parts in small batches or on - demand reduces inventory costs. Moreover, with advancements in CNC technology, many manufacturers can offer relatively short lead times, allowing OEMs to get their products to market faster and respond quickly to changing customer demands.

Factory Equipment

Factory Show

<image>



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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.

Shenzhen Xianheng Technology Co.,Ltd

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