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-069

Xianheng

1 pcs

days



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

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



What We Can Provide

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

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

A custom aluminum CNC parts manufacturer specializing in OEM (Original Equipment Manufacturer) applications focuses on producing high - precision aluminum components using Computer Numerical Control (CNC) machining technology. These manufacturers have the capability to take a client's unique design specifications and transform raw aluminum materials into finished parts that meet exacting standards.

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

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

Feature Of Custom Aluminum CNC Parts for OEM Applications Precision Machining Tight Tolerances Parts Manufacturer

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

Our advantages

1. High Precision and Tight Tolerances

One of the most significant advantages is the ability to achieve extremely high precision and tight tolerances. CNC machines are capable of holding tolerances as small as a few thousandths of an inch, ensuring that the custom aluminum parts fit perfectly within the OEM assembly. This level of precision reduces the need for rework, minimizes assembly issues, and improves the overall performance and reliability of the end - product. For example, in the aerospace or medical device industries, where even the smallest deviation can have serious consequences, the high - precision capabilities of these manufacturers are invaluable.

2. Customization and Design Flexibility

OEMs often have unique design requirements for their products. A custom aluminum CNC parts manufacturer can work closely with the client to bring their design concepts to life. They can produce parts with complex shapes, intricate features, and customized dimensions that may not be achievable with traditional manufacturing methods. This design flexibility allows OEMs to differentiate their products in the market, meet specific customer needs, and innovate in their respective industries.

3. Cost - Effectiveness in the Long Run

Although the initial setup costs for custom CNC machining may be higher compared to mass - produced parts, in the long run, it can be cost - effective for OEMs. By producing parts to exact specifications, there is less waste of materials and fewer defective parts. Additionally, the ability to produce parts on - demand and in smaller batch sizes reduces inventory costs. OEMs can also avoid the high tooling costs associated with some other manufacturing processes, as CNC machining typically uses reusable cutting tools.

4. Fast Turnaround Times

Custom aluminum CNC parts manufacturers are often equipped to handle quick - turn projects. With advanced CNC machines and efficient production processes, they can produce parts in a relatively short time frame. This is especially important for OEMs who need to meet tight production schedules or respond to sudden changes in market demand. Fast turnaround times help OEMs get their products to market more quickly, giving them a competitive edge.

Factory Show

Factory Equipment





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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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