OEM CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries for Custom-Designed Components

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: ML-CNC-063
- 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: CNC Milling
- Material Capabilities: Copper, Aluminum, Bronze, Stainless Steel, Brass
- Surface Treatment: Anodized, Anodizing, Anodize/natural, Sandblast, Silk-screen
- Service: OEM/ODM, OEM ODM Metal Stamping, Customized OEM OEM ODM, OEM Service
- Tolerance: 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm
- Application: Machinery, Automotive, Laptop, Industrial Equipment, Engineering
- Color: As Per Customers' Requirement

More Images

Our Product Introduction

for more products please visit us on cnc-metalmachining.com

Product Description

What We Can Provide

OEM CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries for Custom-Designed Components

Description of OEM CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries for Custom-Designed Components

OEM (Original Equipment Manufacturer) CNC milling services provide tailored precision machining solutions for industries requiring custom-designed components with stringent quality, accuracy, and performance standards. These services leverage advanced Computer Numerical Control (CNC) technology to produce complex parts from diverse materials, including metals (aluminum, titanium, stainless steel), plastics, and composites.

Specification of OEM CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries for Custom-Designed Components

Product Name	High Quality Copper Steel Stainless Brass Material CNC Milling Parts Services
Material	Aluminum, Stainless Steel, Copper, Brass, Titanium, Galvinized, Nylon, ABS, POM etc.
Surface Treatment	Zinc Plating, Painting, Mirror Polished, Brush Polished, Powder Coating, Electroplating, Anodizing, Sandblasting etc.
Processing	Laser Cutting, Precision Stamping, Bending, CNC Punching, Threading, Riveting, Drilling, Welding, Painting, Assembly etc.
Drawing Format	3D/CAD/DWG/IGS/STEP/PDF/JPG
OEM Service	Accept

Quality Control

1. Checking the raw material after they reach our factory------- Incoming quality control (IQC)
2. Checking the details before the production line operated
3. Have full inspection and routing inspection during mass production---In process quality control(IPQC)
4. Checking the goods after they are finished---- Final quality control(FQC)
5. Checking the goods after they are finished-----Outgoing quality control(OQC)

Application Of OEM CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries for Custom-Designed 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

Why Choose Us

Advantages

1. High Precision and Consistency
CNC milling achieves tolerances as tight as ±0.0004 inches (0.01 mm), ensuring uniformity across batches. This is critical for industries like aerospace and medical, where even minor deviations can compromise safety or functionality.
Multi-axis (3-axis, 5-axis) machines enable complex geometries and internal features that traditional methods cannot replicate.

2. Material Versatility and Cost Efficiency
Supports a wide range of materials, including high-strength alloys (e.g., titanium for aerospace), lightweight aluminum (for automotive), and medical-grade plastics (e.g., PEEK for implants).
Reduces material waste through optimized cutting paths and nesting strategies, lowering production costs for low-to-medium volume runs.

3. Rapid Prototyping and Scalability
Enables quick iteration of designs via CAD/CAM integration, accelerating product development cycles.
Scalable from prototyping to mass production, allowing manufacturers to adjust volumes without retooling. For example, automotive OEMs can transition from 100-piece prototypes to 100,000-piece production runs seamlessly.

4. End-to-End Quality Assurance and Compliance
Advanced inspection tools (e.g., CMM, optical scanners) verify dimensional accuracy and surface finish.
Adheres to industry-specific certifications (e.g., ISO 9001, AS9100 for aerospace, ISO 13485 for medical) and regulatory standards (e.g., FDA compliance for medical devices).

Factory Show

Factory Equipment


WEDM


Milling Machine


CNC Wire Cut

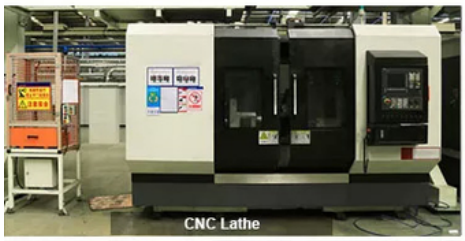

Coordinate measuring machine


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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