



Professional CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries

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: ML-CNC-065
- 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



Product Description

What We Can Provide

Professional CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries

Description of Professional CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries

CNC (Computer Numerical Control) milling is a precision subtractive manufacturing process that utilizes rotating cutting tools to remove material from workpieces across multiple axes (X, Y, Z), enabling the production of complex geometries, cavities, and surfaces. This technology is indispensable across industries requiring high-precision, high-quality components, including aerospace, automotive, medical, and electronics.

Specification of Professional CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries

Product Name	High Quality Copper Steel Stainless Brass Material CNC Milling Parts Services
Material	Aluminum, Stainless Steel, Copper, Brass, Titanium, Galvanized, 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 Professional CNC Milling Parts Services for Aerospace Automotive Medical Electronics Industries

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. Ultra-High Precision & Consistency

CNC milling achieves tolerances as tight as ± 0.005 mm, ensuring identical parts in batch production—critical for safety-critical industries like aerospace and medical.

Example: Aerospace turbine blades are machined to ± 0.01 mm precision using 5-axis dynamic milling.

2. Material & Design Flexibility

Handles exotic materials (e.g., Inconel, titanium) and complex geometries (e.g., freeform surfaces, thin-walled structures). Enables rapid prototyping and design iterations without retooling, reducing lead times.

3. Efficiency & Cost-Effectiveness

Reduces setup time via multi-axis machines (e.g., Mazak INTEGREX series) that perform drilling, tapping, and milling in a single clamping.

AI-optimized toolpaths minimize non-cutting time by up to 25%, lowering production costs.

4. Advanced Surface Finishing & Quality Control

Offers post-processing options like anodizing (corrosion resistance), sandblasting (uniform texture), and electroplating. Uses CMM (Coordinate Measuring Machine) and ASTM B117 salt spray testing for rigorous quality assurance.

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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