



High Precision Customized CNC Milling Plastic Metal Parts for Industrial and Motorcycle Usage

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-081
- 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

High Precision Customized CNC Milling Plastic Metal Parts for Industrial and Motorcycle Usage

Description of High Precision Customized CNC Milling Plastic Metal Parts for Industrial and Motorcycle Usage

Customized CNC (Computer Numerical Control) milling parts, crafted from high-performance plastics and metals, are engineered to meet the stringent demands of industrial and motorcycle manufacturing. These parts are produced using advanced CNC milling machines, which precisely remove material from solid blocks to achieve intricate geometries, tight tolerances, and superior surface finishes. Whether for automotive components, industrial machinery, or motorcycle parts, CNC milling ensures reliability, durability, and performance under extreme conditions.

Specification of High Precision Customized CNC Milling Plastic Metal Parts for Industrial and Motorcycle Usage

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 High Precision Customized CNC Milling Plastic Metal Parts for Industrial and Motorcycle Usage

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

Exceptional Precision and Tight Tolerances

CNC milling machines operate under digital control, enabling the production of parts with tolerances as tight as ± 0.001 mm (0.00004 inches). This precision is critical for motorcycle components like engine blocks, transmission gears, and suspension parts, where even minor deviations can affect performance or safety. In industrial applications, such as semiconductor equipment or medical devices, tight tolerances ensure compatibility and functionality.

Material Versatility for Optimized Performance

CNC milling supports a wide range of materials, including metals (aluminum, stainless steel, titanium) and high-performance plastics (PEEK, PPS, Ultem, PTFE, Nylon). This versatility allows designers to select materials based on specific requirements:

Metals: Aluminum offers lightweight strength for motorcycle frames or engine components, while stainless steel provides corrosion resistance for industrial valves or fittings.

Plastics: PEEK and Ultem excel in high-temperature environments (e.g., motorcycle exhaust systems), while PTFE is ideal for low-friction applications like seals or bearings.

Rapid Prototyping and Design Flexibility

CNC milling eliminates the need for expensive molds or tooling, enabling rapid prototyping and iterative design adjustments. This agility is invaluable in motorcycle manufacturing, where custom parts (e.g., aftermarket fairings or performance upgrades) require quick turnaround times. Industrial sectors benefit similarly, as CNC milling allows for the production of niche components or replacement parts without the financial burden of large-scale tooling. For example, a motorcycle manufacturer can test a new lightweight bracket design in days rather than weeks.

Cost-Effectiveness for Low-to-Medium Volume Production

Traditional manufacturing methods like injection molding or die-casting are uneconomical for small batches due to high tooling costs. CNC milling, however, offers a cost-effective solution for low-to-medium volume production, making it ideal for:

Motorcycle Customization: Producing limited-edition parts or aftermarket accessories.

Industrial Niche Markets: Manufacturing specialized components for aerospace, medical, or semiconductor industries.

Prototyping: Testing designs before committing to mass production, reducing waste and saving costs.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



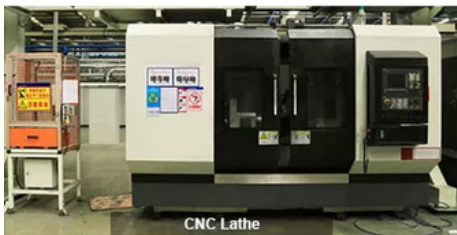
Hydraulic Press Machine



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.



Shenzhen Xianheng Technology Co.,Ltd

0086-13682614486

shawn@xianheng-tech.com

cnc-metalmachining.com

Room 8-1409, Xingji jiayuan building 8-9#, HongXing community, Songgang street, Bao'an District, Shenzhen
City China