



Precision Machined Metal Frame Parts for Structural Integrity and Accuracy in Various Applications

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: MFA-XG-074
- 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: 50000 pcs per week



Product Specification

- Supply Type: OEM Service
- Material Capabilities: Stainless Steel, Brass, Aluminum, Steel
- Process: Bending, Laser Cutting, Welding, Stamping
- Application: Auto, motorcycle, industry, agriculture, furniture, etc.
- Packing Details: Carton, Wooden Case, Plastic Cargo
- Color: Black, Silver, Customized Color
- Place Of Origin: China



More Images



Product Description

What We Can Provide

Precision Machined Metal Frame Parts for Structural Integrity and Accuracy in Various Applications

Description Of Precision Machined Metal Frame Parts for Structural Integrity and Accuracy in Various Applications

Precision machined metal frame parts are critical components manufactured through advanced machining processes such as CNC milling, turning, grinding, and EDM (Electrical Discharge Machining). These parts are engineered to provide exceptional structural stability, dimensional accuracy, and repeatability, making them essential in industries where reliability and precision are paramount. From aerospace and automotive to medical devices and electronics, these frames serve as the foundational structure for complex assemblies, ensuring proper alignment, load-bearing capacity, and long-term durability.

Material Of Precision Machined Metal Frame Parts for Structural Integrity and Accuracy in Various Applications

Production Capability

Secondary Operations

Surface Operations	<ul style="list-style-type: none"> * Deburring work by machines, then by hands; * As long as you need no scratches on the products, we can use the film protected material for products during production; * Remove sharps of the products; * Ultrasonic cleaning after production.
Surface Treatments	Powder Coating, Polishing, Brushing, PVD Plating, PVC Coating, Ceramic Coating, Chrome Plating, Nickel Plating, Tin Plating, Copper Plating, Silver Plating, Sandblasting, Anodizing, Dacromet, Baking Varnish, Electrophoresis Coating, Zinc Plating, Hot Dip Galvanizing.
LOGO Printing	Laser Engraving, Silk-screening etc
Assembly Service	Yolanda provide products assembly service after each component production.
Custom Packaging	<ul style="list-style-type: none"> * Design packaging according to your products; * Make the packagings according to your requests; * Print your LOGO on the packaging as long as you need; * Other request according to your need.

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)

Why Choose Us

Advantages

1. Superior Structural Integrity

Machined from high-strength metals like aluminum, steel, titanium, or stainless steel, these frames exhibit excellent resistance to deformation, fatigue, and environmental stress.

Their rigid construction ensures stability under heavy loads, vibrations, and thermal fluctuations, making them ideal for critical applications in aerospace, automotive, and industrial machinery.

2. Unmatched Dimensional Accuracy and Consistency

CNC machining allows for tolerances as tight as ± 0.0005 inches (± 0.0127 mm), ensuring precise fitment with other components.

Consistent production reduces assembly errors, minimizes rework, and enhances overall system performance, particularly in high-precision industries like optics, robotics, and semiconductor manufacturing.

3. Enhanced Durability and Corrosion Resistance

Precision machining produces smooth, burr-free surfaces that reduce stress concentrations and improve fatigue life.

Optional treatments such as anodizing, plating, or passivation further enhance corrosion resistance, extending the lifespan of the frame in harsh environments like marine, chemical processing, or outdoor applications.

4. Design Flexibility and Customization

Machining allows for complex geometries, tight internal features, and lightweighting without compromising strength. Parts can be tailored to specific application requirements, enabling rapid prototyping and efficient production of low-to-medium volume orders with minimal tooling costs.

Aluminum Material

Material:

Aluminum 5052
Aluminum 6061
Aluminum 6063 etc

Finish:

Anodic Oxidation
Polishing
Powder Coating
Spray Painting



Why Choose Us



Multiple Machines

5-Axis CNC & Imp Professional machines, skillful workers, machines, skillful
with accuracy of guarantee the quality and lead time. guarantee fast lead time



Strictly Confidential

We will protect the customers' design
and the customer can request a
confidentiality agreement



Quality Inspection

We have a strict quality inspection
process to ensure the quality of our
products

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

1. How can I get the price? - We usually quote within 24 hours after we get your inquiry (except weekend and holidays). If you are urgent to get the price, please email us or contact us in other ways so that we can offer you a quote.
2. Can I buy samples? - Yes. Please feel free to contact us.
3. What is your lead time? - It depends on the order quantity and the season you place the order. Usually we can ship within 7-15 days for small quantity, and about 30 days for large quantity.
4. What is your payment term? - T/T, Western Union, MoneyGram, and Paypal. This is negotiable.
5. What is the shipping method? - It could be shipped by sea, by air, or by express (EMS, UPS, DHL, TNT, FEDEX etc). Please confirm with us before placing orders.
6. How do you make our business long-term and good relationship? - We keep good quality and competitive price to ensure our customers benefit. Furthermore, we respect every customer as our friend and we sincerely do business and make friends with them, no matter where they come from.



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