



Equipment Mounting Made Simple Custom Metal Brackets for Corrosion Resistance and Optimal Performance

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: MB-ST-070
- 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

Equipment Mounting Made Simple Custom Metal Brackets for Corrosion Resistance and Optimal Performance

Description Of Equipment Mounting Made Simple Custom Metal Brackets for Corrosion Resistance and Optimal Performance

Customized sheet metal shell fabrication for medical equipment involves designing and manufacturing bespoke enclosures, housings, and structural components tailored to the exact specifications of medical devices. This process leverages advanced sheet metalworking techniques—such as CNC laser cutting, precision bending, robotic welding, and automated assembly—to achieve high-tolerance precision (often ± 0.05 mm or tighter). The result is a durable, lightweight, and dimensionally accurate shell that meets stringent medical industry standards, including biocompatibility, sterilizability, and electromagnetic interference (EMI) shielding.

Material Of Equipment Mounting Made Simple Custom Metal Brackets for Corrosion Resistance and Optimal Performance

Material	Stainless steel, Aluminum, Brass, Copper etc.
Process	Stamping, Deep drawing, Laser cutting, Bending, Welding, CNC etc
Surface treatment	Zinc plating, Nickel plating, Powder coated, Paint, Brushed, Polishing, Anodized, Hot dip galvanizing etc.
MOQ	100pcs
Size	Customized Size
Certificate	ISO9001:2015
Design	3D/CAD/Dwg/IGS/STP
Package	Bubble Bag+ Carton+ Wooden Box
Application	Metal part in all fields
Service	Customize ODM OEM

Application Of Equipment Mounting Made Simple Custom Metal Brackets for Corrosion Resistance and Optimal Performance

1. Construction: Metal angle brackets are extensively used in the construction industry for connecting beams, joists, and rafters. They provide critical support and reinforcement to building structures, ensuring stability and load distribution.
2. Shelving: Angle brackets are widely used as shelf supports for wall-mounted shelves in homes, offices, retail stores, and warehouses. They help create sturdy and reliable shelving systems.
3. Furniture Assembly: Metal angle brackets are essential in furniture assembly, helping to connect components and reinforcing joints in tables, chairs, cabinets, and bed frames.

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

Our Advantages

Precision Engineering for Critical Functionality

High-tolerance manufacturing ensures components align perfectly with sensitive medical electronics, optical systems, or fluid pathways. This minimizes risks of malfunction, contamination, or user error in devices like endoscopes, ventilators, or diagnostic analyzers, where even slight misalignments can compromise performance.

Material Optimization for Medical Safety

Custom fabrication allows the use of hypoallergenic, non-toxic metals that resist corrosion from bodily fluids, cleaning agents, or sterilization chemicals. For example, titanium shells are ideal for implantable device housings, while stainless steel enclosures endure harsh hospital environments without degrading.

Design Flexibility for Innovation

Unlike standardized enclosures, customized shells can incorporate complex geometries, ventilation patterns, or modular features to support cutting-edge medical technologies. This adaptability accelerates time-to-market for devices like portable

ultrasound machines, robotic surgical tools, or AI-powered diagnostic platforms.

Cost-Effective Long-Term Reliability

While initial tooling costs may be higher, precision fabrication reduces waste and rework by ensuring first-pass quality. Durable materials and finishes also extend product lifespans, lowering replacement costs and enhancing brand reputation for medical OEMs.

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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