



High Precision Laser Cutting and Welding for Custom Sheet Metal Shell Fabrication of Intricate High-Tolerance Components

Our Product Introduction

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

Basic Information

- Place of Origin: China
- Brand Name: Xiange
- Certification: ISO 9001:2015 SGS RoHS
- Model Number: MF-XG-27
- Minimum Order Quantity: 1 pcs
- Price: USD 1\$-2\$
- Packaging Details: Carton Wooden case
- Delivery Time: 5-8 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10 SET per week



Product Specification

- Material Capabilities: Stainless Steel, Aluminium, Copper, Brass
- Products: Metal Equipment Shell
- Process: Metal Sheets Fabrication, Welding Cutting Punching Stamping
- Application: Electronic Equipment Sheet Metal Shell, Custom Control Box Cabinet Chassis Shell
- OEM/ODM: Acceptable
- Equipment: Precision Nonstandard Parts
- Surface Treatment: Powder Coated, Hot Galvanized, Painting, Polishing, Spray Coating, Brushing, Cathaphoresis, Sandblasting, Electroplate Chrome/Zinc/Nickel Plating/Anodize/Electronic Polish, Silk-screen Etc;
- Package: Platic Bag ,Blister Box ,Tap Reel Or As Your Required
- Used: Computer, Telecom, mechical ,electronics, appliance, military, aerospace.



More Images



Product Description

What We Can Provide

High Precision Laser Cutting and Welding for Custom Sheet Metal Shell Fabrication of Intricate High-Tolerance Components

Description of High Precision Laser Cutting and Welding for Custom Sheet Metal Shell Fabrication of Intricate High-Tolerance Components

Custom metal brackets are precision-engineered mounting solutions designed to securely organize and position medical equipment in healthcare environments such as hospitals, clinics, operating rooms, and laboratories. Constructed from high-grade, corrosion-resistant materials like 316 stainless steel or anodized aluminum, these brackets withstand harsh disinfectants, humidity, and frequent cleaning while ensuring long-term structural integrity. Their space-saving designs maximize efficiency in crowded or compact medical settings, supporting infection control, equipment accessibility, and workflow optimization.

Specification of High Precision Laser Cutting and Welding for Custom Sheet Metal Shell Fabrication of Intricate High-Tolerance Components

Product	Custom Sheet Metal Fabrication Laser Cutting Bending Sheet Metal Stamping Parts
Material	Stainless Steel, Carbon Steel(Q235), Aluminum(6061,6063, 5052), Copper, Brass etc.
Process	Bending, Stamping, Welding
Finish	Zinc Plating, Mirror Polished, Brush Polished, Paint, Anodic Oxidation, Powder Coated
Package	Plywood Box + Plywood Pallet, Plywood Box
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 Laser Cutting and Welding for Custom Sheet Metal Shell Fabrication of Intricate High-Tolerance 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

Our promise

1. Superior Corrosion Resistance for Longevity

Built from medical-grade stainless steel or anodized aluminum, these brackets resist rust, chemical degradation, and microbial growth, even in high-moisture or sterile environments. Eliminates the need for frequent replacements, reducing long-term maintenance costs and ensuring reliable performance.

2. Space-Efficient Design for Clutter-Free Workspaces

Customizable to fit specific equipment dimensions and mounting locations (walls, ceilings, carts, or mobile stands), they free up valuable floor and countertop space. Promotes organized, ergonomic workflows by keeping essential devices within easy reach while minimizing clutter.

3. Enhanced Infection Control & Hygiene Compliance

Non-porous, smooth surfaces prevent bacterial colonization and are easy to disinfect, supporting strict healthcare hygiene protocols. Resistant to staining and damage from cleaning agents, maintaining a sterile appearance over time.

4. High Load-Bearing Capacity & Stability

Reinforced construction safely supports heavy medical equipment (e.g., monitors, anesthesia machines, infusion pumps) without bending or shifting. Reduces the risk of equipment damage or accidents caused by unstable mounting, ensuring patient and staff safety.



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

Stainless Steel Material

Material:

Stainless Steel 201
Stainless Steel 430
Stainless Steel 304
Stainless Steel 316

Finish:

Mirror Polishing
Brush Polishing
Electro Polishing
Vibration Polishing



FAQ

Q1: Where can I get product & price information?

A1: Send us inquiry e-mail, we will contact you as we receive your mail.

Q2: How long can I get the sample?

A2: Depends on your specific items, within 3-7 days is required generally.

Q3: What kinds of information you need for quote?

A3: Kindly please provide the product drawing in PDF, and will be better you can provide in STEP or IGS.

Q4: What are the payment terms?

A4: We accept 50% as payment deposit, when the goods is done, we take photos for your check and you then pay the balance.

Q5: Are you a trading company or factory?

A5: We are direct factory with 10 experienced engineers and more than 650 employees as well approximate 2,000 square ft. workshop area.

Q6: What shall we do if we do not have drawings?

A6: 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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