



High Precision Laser Cutting and Precision Welding Frame Fabrication for Custom Stainless Steel Copper Sheet Metal Parts

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Xiange
- Certification: ISO 9001:2015 SGS RoHS
- Model Number: MF-XG-23
- 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



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

Product Description

What We Can Provide

High Precision Laser Cutting and Precision Welding Frame Fabrication for Custom Stainless Steel Copper Sheet Metal Parts

Description of High Precision Laser Cutting and Precision Welding Frame Fabrication for Custom Stainless Steel Copper Sheet Metal Parts

This advanced manufacturing process combines laser cutting and precision welding to produce custom structural frames, components, and assemblies from stainless steel and copper sheet metal. It emphasizes ultra-fine accuracy, material integrity, and design flexibility, catering to industries requiring robust, dimensionally precise, and aesthetically refined solutions.

Specification of High Precision Laser Cutting and Precision Welding Frame Fabrication for Custom Stainless Steel Copper Sheet Metal Parts

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 Precision Welding Frame Fabrication for Custom Stainless Steel Copper Sheet Metal Parts

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. Exceptional Dimensional Accuracy & Consistency

Laser cutting and precision welding ensure repeatable, error-free production, even for complex designs. Tight tolerances reduce assembly misalignment, improving product performance in high-stakes applications (e.g., medical devices, aerospace components).

2. Material Optimization & Cost Efficiency

Laser cutting minimizes kerf loss (material wasted during cutting), lowering raw material costs. Automated processes reduce labor and rework expenses, while copper's recyclability and stainless steel's longevity cut long-term replacement costs.

3. Design Freedom & Rapid Customization

Enables rapid prototyping and low-to-medium volume production with quick design iterations. Supports lightweighting (thinner gauges, optimized geometries) and hybrid material assemblies (e.g., copper heat sinks + stainless steel frames), enhancing functionality without sacrificing strength.



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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