Description

In **China quality sheet metal & welding** industry, welding is a crucial, even indispensable, core process. Its importance is reflected in multiple aspects:

Structural Connection and Strength Assurance:
Core Function: Welding is the primary method for permanently joining two or more separate metal parts (typically sheet metal parts formed by cutting, stamping, or bending) into a solid, integrated whole.
Load-Bearing Capacity: For structures that must withstand loads, pressure, or vibration (such as chassis and cabinet frames, equipment bases, brackets, and vehicle body components), welded joints can provide connections that approach or even reach the strength of the parent metal, a strength that cannot be fully replaced by bolts, rivets, or adhesives.
Improved Rigidity: Welding can significantly improve the overall rigidity and stability of components.

Enabling Complex Structures and Shapes:
Design Freedom: Welding allows designers to combine relatively simple sheet metal parts into complex three-dimensional shapes and structures. Without welding, many modern sheet metal product designs would be impossible or extremely costly to implement.
Integrated Assembly: It is a critical step in assembling large or complex sheet metal assemblies (such as large control cabinets, ventilation duct systems, and machinery enclosures).

Sealing:
Key Applications: For **China sheet metal welding parts** requiring leak-proof, dust-proof, waterproof, or airtight sealing (such as fuel tanks, water tanks, pipes, pressure vessels, outdoor electrical cabinets, and cleanroom equipment housings), welding is one of the most reliable methods for achieving high-quality, permanent seals. Spot, seam, or continuous welds can create an effective sealing barrier.

China sheet metal for car welding, fuel tanks, water tanks, and other equipment housings.

Specifications

Place of Origin	Jiangsu, China (Mainland)
Brand Name	HOUDRY
Model Number	Custom Made
Certificate	ISO9001:2015/SGS
Material	Stainless Steel/Iron/Aluminum
Fabrication Process	Stamping, Bending, Laser Cutting, Welding, Forging, Casting, Maching
Tolerance	±0.1mm
Surface Treatment	Mirror Polishing, Powder Coat, Zinc Plate, Paint, Brushing as per drawing
Service	Custom OEM/ODM sheetmetal fabrication service
Supplier Type	Manufacturer/Fabcicator/Factory/Designer
Package	Standard package/individual package for export or as requested
Delivery time	7 - 20 working days or negotiable

More Products

Company Introduction

Welcome to Houdry! We are a professional China sheet metal fabrication supplier. The factory is located in Suzhou, China, covering an area of **50,000 square meters**. We currently have four professional sheet metal manufacturing centers and a professional R&D base. The business scope is mainly precision molds, laser cutting, stamping, machining, bending, welding, spraying and other manufacturing processes.

Since its establishment in **2008**, the founder started a hard business with one machine and one worker. After nearly **20 years** of unremitting efforts, the company currently has a total of **405 employees**, including **30 R&D engineers**, **25 process engineers** and **8 quality engineers**.

Houdry has always been committed to providing customers with high-quality, high-precision and high-efficiency sheet metal processing service solutions to meet all-round needs from prototype development to mass production. At present, Houdry customers are spread across more than **30 countries** around the world, and its products cover home appliances, furniture, medical, automotive and new energy fields.

Certificate

As a China stainless steel sheetmetal fabrication supplier, Houdry is well aware that excellent quality, rigorous process and responsibility for the environment and safety are the core of sustainable development.

The following are the main international certifications and recognitions we have obtained:

ISO9001:2015

IATF16949:2016

ISO13485:2016

ISO9001:2015

ISO14001:2015

CE

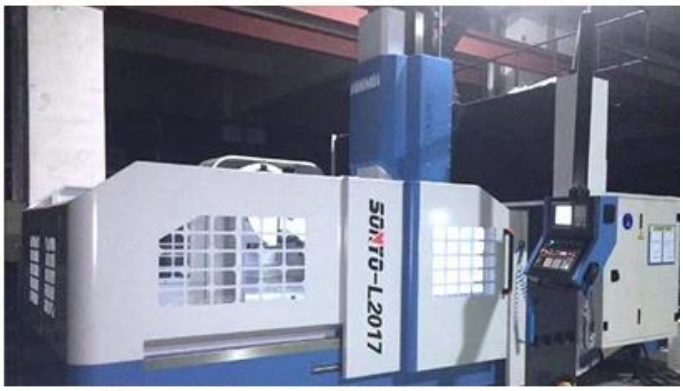
UL

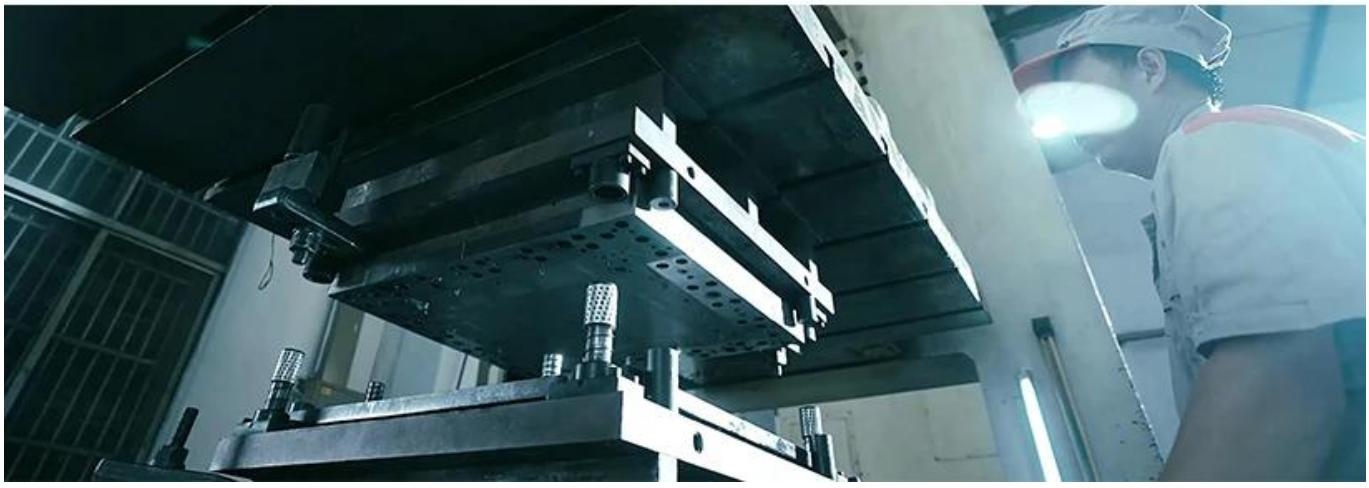
ROSH

Equipment

We have laser cutting machine, robot wenlding machine, bending machine, stamping machine, cnc machining centers, milling machine, grinding machine, injecton mold machine and so on equipments. Can produce most metal products.

Testing equipment





Package and Shipping

Standard package/individual package for export or as requested. Sheet metal parts are usually packed in carton box, then packed in plywood pallets or plywood boxes.







FAQ

1. What is your typical lead time for sheet metal fabrication projects?

Standard lead times range from 5–15 business days after design approval, depending on project complexity, material availability, and order volume. Rush services may be available for urgent requests—contact our team for expedited options.

2. What materials do you work with for sheet metal fabrication?

We process a wide range of materials, including:• Mild Steel • Stainless Steel (304/316) • Aluminum (5052, 6061) • Copper • Brass • Galvanized SteelCustom material requests can be accommodated—inquire for specific alloys or thicknesses.

3. What file formats do you accept for part design?

We prefer industry-standard formats for seamless processing:• Preferred: .STEP, .IGES, .DXF/DWG (2D drawings)• Accepted: .SLDPRT, .PDF (with dimensions)Design support (DFM feedback) is available upon request to optimize manufacturability.

4. How do you ensure quality control in your fabrication process?

All parts undergo rigorous quality checks, including:• In-process inspections • Dimensional verification (with CMM/laser scanning) • Surface finish review • Final compliance with ISO 9001 standardsCertified material test reports (MTRs) and inspection documentation are provided upon request.

5. Do you offer design for manufacturability (DFM) feedback?

Yes! We provide complimentary DFM analysis to reduce costs, improve functionality, and streamline production. Share your design files with our engineering team for actionable recommendations on material selection, tolerances, bend radii, and efficiency optimizations.