



High Precision Metal Stamping Parts for Aerospace Applications Custom OEM Laser Cutting Sheet Metal Fabrication Services

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: PMS-XG-078
- 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

- Material: Copper, Stainless Steel, Aluminum, Brass, Etc.
- Surface Treatment: Hot Galvanized, Zinc Plating, Nickel Plating, Powder Plating, Anodize
- Process: Stamping, Punching, Bending, Punching Of Stamping Blanks, Stamping + CNC
- Application: Construction, Industrial, Used Widely Industry Auto, Mechanical Equipment, Auto Parts
- Service: OEM/ODM, OEM ODM Metal Stamping, Customized OEM OEM ODM, OEM Service
- Tolerance: 0.01mm, 0.05 Mm, +/-0.005, 0.003-0.05mm
- Oem: Available
- Quality: ISO9001
- Keywords: Custom Stamping Metal
- Packing: As Customers' Requirement



More Images



Product Description

What We Can Provide

High Precision Metal Stamping Parts for Aerospace Applications Custom OEM Laser Cutting Sheet Metal Fabrication Services

Description of High Precision Metal Stamping Parts for Aerospace Applications Custom OEM Laser Cutting Sheet Metal Fabrication Services

Aerospace applications demand ultra-high precision, durability, and compliance with stringent industry standards (e.g., AS9100D, ISO 9001:2015). Custom OEM laser cutting and precision metal stamping services provide tailored solutions for manufacturing sheet metal parts that meet these requirements.

Specification of High Precision Metal Stamping Parts for Aerospace Applications Custom OEM Laser Cutting Sheet Metal Fabrication Services

Name	Custom OEM Laser Cutting Sheet Metal Fabrication Services Copper Stainless Steel Anodised Aluminum Metal Stamping bending Parts
Material	Zn-plating, Ni-plating, Cr-plating, Tin-plating, copper-plating, the wreath oxygen resin spraying, the heat disposing, hot-dip galvanizing, black oxide coating, painting, powdering, color zinc-plated, blue black zinc-plated, rust preventive oil, titanium alloy galvanized, silver plating, plastic, electroplating, anodizing etc.
Applications	Automotive, instrument, electrical equipment, household appliances, furniture, mechanical equipment, daily living equipment, electronic sports equipment, light industry products, sanitation machinery, market/ hotel equipment supplies, artware etc.
Packaging	Regular: Paper, Foam, OPP bag, Carton; Other: According to customers' requirements
Testing Equipment	Projecting apparatus, Salt Spray Test, Durometer, and Coating thickness tester
Tolerance	±0.01-0.05mm
Drawing	JPG, PDF, CAD, DWG, STP, STEP

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 Metal Stamping Parts for Aerospace Applications Custom OEM Laser Cutting Sheet Metal Fabrication Services

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

Advantages

Unmatched Precision for Safety-Critical Components

Metal stamping achieves $\pm 0.001"$ tolerances, critical for parts like oxygen pressurization systems and flight control components.

Laser cutting ensures edge quality $Ra \leq 12.5\mu m$, eliminating stress concentrations and fatigue risks.

Example: A Ti-6Al-4V engine bracket required $\pm 0.03mm$ hole accuracy for hydraulic line assembly, achievable only via laser cutting.

Material Efficiency & Cost Savings

Laser cutting reduces waste by nesting parts closely on sheets, lowering material costs.

Stamping eliminates tooling costs for low-to-medium volume runs, reducing per-unit expenses by up to 30% compared to traditional methods.

Example: A 6kW laser cuts 5mm stainless steel 67% faster than punching, cutting labor costs.

Rapid Prototyping & Scalability

OEMs can upload CAD files and receive quotes within 24 hours, accelerating time-to-market.
Services support scaling from prototypes to 100,000+ parts without retooling.
Multi-laser CNC machines cut sheet metal at 20 meters per minute, improving efficiency.

Enhanced Durability & Performance

Stamped parts feature rugged strength (e.g., 0.005"-thick materials withstand vibrations in jet engines).
Laser-cut edges are smooth and burr-free, reducing corrosion risks.
Secondary processes (e.g., T6 heat treatment) improve corrosion resistance for long-term reliability.



Multiple Machines

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

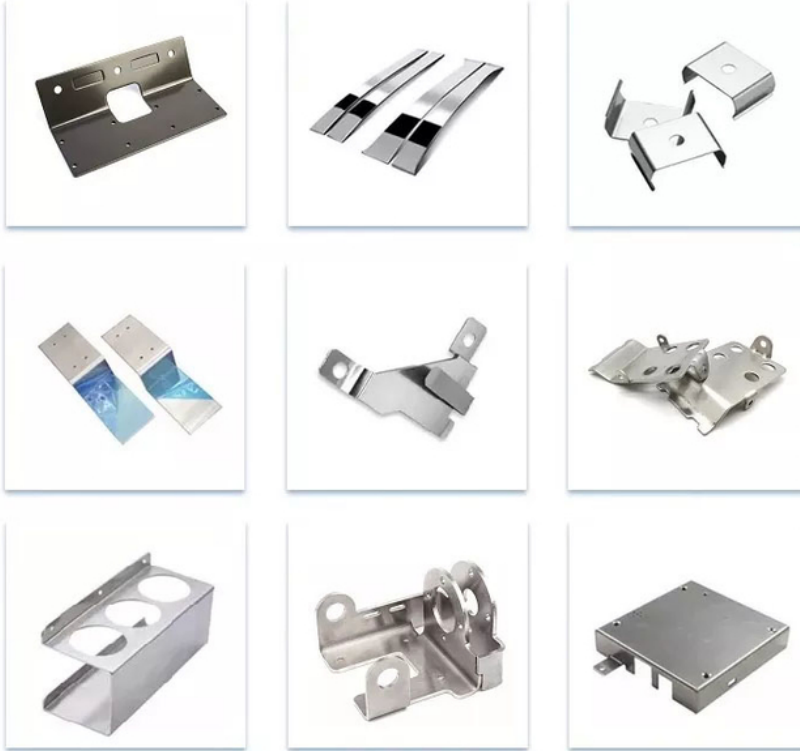
Stainless Steel Material

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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