Customized Stainless Steel Precision Metal Stamping Parts for Enhanced Corrosion Resistance with Laser Cutting Solutions

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen China
- Brand Name: Xianheng
- Certification: ISO9001:2015
- Model Number: PMS-XG-059
- 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

Our Product Introduction

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

Product Description

What We Can Provide

Customized Stainless Steel Precision Metal Stamping Parts for Enhanced Corrosion Resistance with Laser Cutting Solutions

Description of Customized Stainless Steel Precision Metal Stamping Parts for Enhanced Corrosion Resistance with Laser Cutting Solutions

Customized stainless steel precision metal stamping parts designed for enhanced corrosion resistance represent a sophisticated combination of material selection, precision manufacturing techniques, and advanced finishing processes. These parts are crafted from high - grade stainless steel alloys, which are renowned for their inherent resistance to corrosion, oxidation, and various environmental factors. The stainless steel used can be of different grades such as 304, 316, or even more specialized variants, depending on the specific application requirements.

Specification of Customized Stainless Steel Precision Metal Stamping Parts for Enhanced Corrosion Resistance with Laser Cutting Solutions

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 Customized Stainless Steel Precision Metal Stamping Parts for Enhanced Corrosion Resistance with Laser Cutting Solutions

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

1. Superior Corrosion Resistance
The use of high - grade stainless steel as the base material provides an excellent foundation for corrosion resistance. Stainless steel contains chromium, which forms a passive oxide layer on the surface when exposed to oxygen. This layer acts as a barrier, preventing further corrosion. The additional surface treatments, combined with the precision of stamping and laser cutting, ensure that the parts maintain their corrosion - resistant properties even in harsh environments, such as those with high humidity, exposure to chemicals, or saltwater. This extends the service life of the parts and reduces the need for frequent maintenance or replacement.

2. High Precision and Consistency
Precision metal stamping allows for the production of parts with extremely tight tolerances. The use of advanced stamping equipment and dies ensures that each part is identical to the design specifications, which is essential for applications where

parts need to interlock or work together as a system. Laser cutting further enhances this precision by enabling the creation of intricate features with minimal deviation from the intended dimensions. This high level of precision and consistency leads to improved product quality and performance, as well as reduced assembly time and costs.

3. Design Flexibility
Laser cutting offers unparalleled design flexibility. It can easily cut complex shapes, curves, and intricate patterns into the stamped stainless steel parts. This allows designers to create customized parts that meet the specific requirements of their applications, whether it's for a unique mechanical function, aesthetic appeal, or space - saving design. The ability to quickly modify designs and produce prototypes using laser - cut stamped parts also speeds up the product development cycle, enabling companies to bring new products to market faster.

4. Cost - Effectiveness in Mass Production
For large - volume production runs, precision metal stamping is a highly cost - effective manufacturing method. Once the dies are set up, the stamping process can produce parts at a high rate with minimal labor costs per unit. Laser cutting, although initially requiring more setup time for complex designs, can also be efficient for mass production when integrated into the stamping line. The combination of stamping and laser cutting allows for the production of high - quality, customized parts in large quantities without a significant increase in per - unit costs, making it an attractive option for industries such as automotive, electronics, and medical devices.

Multipe Machines

Professional machines, skillful workers, guarantee the quality and 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

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, Hight, Width), CAD or 3D file will be made for you if placed order.

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