



Precision Stamped Shells 0.01mm Accuracy for Critical Applications High Precision Stamping Supplier

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-087
- 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

Precision Stamped Shells 0.01mm Accuracy for Critical Applications High Precision Stamping Supplier

Description of Precision Stamped Shells 0.01mm Accuracy for Critical Applications High Precision Stamping Supplier

"Precision Stamped Shells: 0.01mm Accuracy for Critical Applications" refers to high-precision metal enclosures manufactured via advanced stamping processes, achieving a tolerance of $\pm 0.01\text{mm}$ —a benchmark for ultra-fine accuracy required in industries where reliability is non-negotiable (e.g., aerospace, medical devices, automotive safety systems). As a leading High-Precision Stamping Supplier, this solution combines cutting-edge tooling, real-time quality monitoring, and material expertise to deliver shells that meet stringent performance criteria under extreme conditions.

Specification of Precision Stamped Shells 0.01mm Accuracy for Critical Applications High Precision Stamping Supplier

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	$\pm 0.01\text{-}0.05\text{mm}$
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 Precision Stamped Shells 0.01mm Accuracy for Critical Applications High Precision Stamping Supplier

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

Ultra-Tight Tolerance Control

The $\pm 0.01\text{mm}$ accuracy ensures consistent fit and function in assemblies where even micrometer deviations could compromise safety or performance (e.g., medical implant casings, aerospace sensor housings).

Enhanced Durability & Material Optimization

By selecting high-strength alloys (e.g., stainless steel, titanium) and optimizing stamping parameters, shells achieve superior resistance to fatigue, corrosion, and thermal stress—critical for long-lifecycle applications like renewable energy systems or industrial machinery.

Streamlined Production with Zero-Defect Goals

Advanced in-line inspection systems (e.g., laser scanning, AI-powered defect detection) enable real-time monitoring, reducing waste and ensuring 100% compliance with critical specifications. This minimizes rework costs and accelerates time-to-market for high-stakes projects.

Customization & Cross-Industry Versatility

From micro-components for consumer electronics to large-scale enclosures for industrial equipment, the supplier adapts stamping processes to diverse geometries, materials, and functional requirements. This flexibility supports applications in 5G telecom, electric vehicle batteries, and precision instrumentation, where one-size-fits-all solutions fail.



Multiple Machines

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