



Customized Precision Metal Cabinet Assembly for Aerospace Defense Automotive and Industrial Machinery

Our Product Introduction

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

Basic Information

- Place of Origin: China
- Brand Name: Xianheng
- Certification: ISO 9001:2015 SGS RoHS
- Model Number: MC-XG-16
- Minimum Order Quantity: 1 pcs
- Price: USD 0.1\$-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, Sheet Metal Cabinet Assembly Stamping Parts
- Process: Metal Casing, Metal Sheets Fabrication, Welding Cutting Punching Stamping
- Application: Carbinet, Parts: Cars, E-sports Hotel, Architecture, Furniture, metal Plastic Parts
- Place Of Origin: China Guangdong
- Tolerance: +/-0.02mm
- MOQ: 1 Piece
- OEM/ODM: Acceptable
- Equipment: Laser Cutter, CNC Bending Machine, Stamping Machine, Weld
- Surface Treatment: Galvanized, Anodizing, Powder Coated, Chrome Plating, Nickel Plating Etc.
- Craftsmanship: CNC Stamping, CNC Bending, Welding, Laser



More Images



What We Can Provide

Customized Precision Metal Cabinet Assembly for Aerospace Defense Automotive and Industrial Machinery

Description of Customized Precision Metal Cabinet Assembly for Aerospace Defense Automotive and Industrial Machinery

Customized precision metal cabinet assemblies are engineered solutions designed to meet the stringent requirements of diverse industries, including aerospace, defense, automotive, and industrial machinery. These assemblies are meticulously crafted using high-grade metals and advanced manufacturing techniques to ensure durability, precision, and functionality. They serve as critical enclosures for housing sensitive electronic components, control systems, and other vital equipment, protecting them from environmental factors, mechanical stress, and unauthorized access.

Specification of Customized Precision Metal Cabinet Assembly for Aerospace Defense Automotive and Industrial Machinery

| CNC Capacity | | | | |
|-----------------------|---|---------------------------|----------------|-----------------|
| CNC Machining Center | 3 / 4 / 5 axis CNC Machining Centers | 40+ CNC Machines | | |
| CNC Turning | φ0.5 - φ300 * 750 mm | DIN-2768-Fine +/-0.005 mm | | |
| CNC Machining | 1270×508×635 mm(max) | DIN-2768-Fine +/-0.005 mm | | |
| CNC Stamping | 1000 * 1000 mm(max) | DIN-2768-Fine +/-0.005 mm | | |
| Drawing Format | IGS,STP,X_T ,DXF,DWG , Pro/E, PDF | | | |
| Inspection Equipments | Measurement Instrument, Projector, CMM, Altimeter, Micrometer, Thread Gages, Calipers, Pin Gauge etc. | | | |
| Material Available | | | | |
| Stainless Steel | SS201,SS301, SS303, SS304, SS316, SS416, 17-4PH, etc. | | | |
| Steel | Mild steel, Carbon Steel, 4140, 4340, Q235, Q345B, 20#, 45# etc. | | | |
| Brass | HPb63, HPb62, HPb61, HPb59, H59, H68, H80, H90 etc. | | | |
| Copper | C11000,C12000,C12000 C36000 etc. | | | |
| Aluminum | AL6061, AL6063, AL6082, AL7075, AL5052, A380 etc. | | | |
| Iron | A36, 45#, 1213, 12L14, 1215 etc. | | | |
| Plastic | ABS, PC, PE, POM, Delrin, Nylon, Teflon, PP,PEI, Peek etc. | | | |
| Surface Finishing | | | | |
| Aluminum Parts | Stainless Steel Parts | Steel Parts | Copper /Brass | Plastic Parts |
| Clear Anodized | Polishing | Zinc plating | Polishing | Painting |
| Color Anodized | Passivating | Oxide black | Passivation | Chrome plating |
| Sandblast Anodized | Sandblasting | Nickel plating | Galvanized | polishing |
| Chemical Film | Laser engraving | Chrome plating | Nickel Plating | Sandblast |
| Brushing | | Carburized | Chrome plating | Laser engraving |
| Polishing | | Heat treatment | | |
| Chroming | | Powder Coated | | |

Application Of Customized Precision Metal Cabinet Assembly for Aerospace Defense Automotive and Industrial Machinery

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

Feature Of Customized Precision Metal Cabinet Assembly for Aerospace Defense Automotive and Industrial Machinery

1. Good corrosion resistance
2. High strength and hardness
3. High thermal conductivity
4. Good finishing characteristics

Why Choose Us

Advantages

Tailored Design for Specific Applications:

Customization allows for the creation of metal cabinet assemblies that perfectly fit the unique needs of each industry and application. Whether it's a compact, lightweight design for aerospace or a robust, heavy-duty structure for industrial machinery, tailored solutions ensure optimal performance and integration with existing systems. This adaptability enhances operational efficiency and reduces the need for modifications or additional components.

Enhanced Durability and Reliability:

Precision manufacturing processes, combined with the use of high-quality metals, result in assemblies that can withstand extreme conditions, including temperature fluctuations, vibrations, and corrosive environments. This durability ensures long-term reliability, minimizing downtime and maintenance costs. In critical sectors like aerospace and defense, where failure is not an option, such reliability is paramount.

Improved Protection and Security:

Customized metal cabinets provide superior protection for sensitive equipment and data. They can be designed with features like tamper-proof locks, sealed enclosures, and electromagnetic interference (EMI) shielding to safeguard against unauthorized access, environmental contaminants, and electrical interference. This level of security is essential in defense applications and any scenario where data integrity and equipment safety are top priorities.

Streamlined Assembly and Integration:

By working closely with clients during the design phase, manufacturers can ensure that the customized metal cabinet assemblies are compatible with existing systems and workflows. This collaborative approach facilitates seamless integration, reducing installation time and complexity. Additionally, precision manufacturing minimizes the need for on-site adjustments, further streamlining the assembly process and accelerating time-to-market for new products or upgrades.

Factory Show

Factory Equipment



WEDM



Milling Machine



CNC Wire Cut



Coordinate measuring machine



CNC Bending Machine



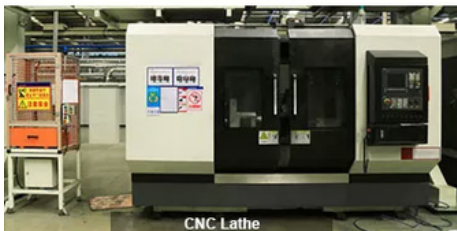
Hydraulic Press Machine



SLS/SLA Machine



5-Axis CNC



CNC Lathe



Laser cutting Machine



CNC Punching Machine



Injection Molding machine



FAQ

Q: How can I customize my products ?

A: Please describe your project. Include the following information so that we can provide an accurate quote: Part Name, 3D CAD Drawing, Quantity, Material, Color, Finishing.

Q: How can I know my products going on ?

A: We will offer a detailed production schedule and send weekly reports with digital pictures and videos which show the production process.

Q: Can You sign a confidentiality greement ?

A: We can sign a confidentiality agreement according to your needs.

Q: What is your terms of payment ?

A: 30% in advance ,70% balance before shipment. Other terms negotiable.

Q: Are you a trading company or factory?

A: We are direct factory with 20 experienced engineers and more than 80 employees as well approximate 3,000 square meters workshop area.

Q: What shall we do if we do not have drawings?

A: 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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