



Stainless Steel Aluminum Alloy Pressure Die Casting for Electronic Enclosure

Basic Information

- Certification: ISO 9001:2000
- Minimum Order Quantity: 100
- Price: 1.99



Product Specification

- Material: Aluminum Alloy, Carbon Steel, Alloy Steel, Stainless Steel
- Casting Dimension Tolerance: CT7-CT8
- Casting Surface Roughness: Ra 12.5um
- Casting Weight Range: 0.1-100kg
- Max Linear Size: 1200mm
- Max Diameter Size: 600mm
- Machining Precision: Positioning Accuracy 0.008mm, Rep. Position. Accuracy 0.006mm
- Machining Surface Roughness: Ra0.8~6.3um
- Max Travel Of Spindle: 1800mmx850mmx700mm
- Max Turning Diameter: 1000mm
- Material Standard: GB, ASTM, AISI, DIN, BS, JIS, NF, AS, AAR
- Casting Process Type: High Pressure Die Casting (HPDC), Vertical



More Images



Product Description

Stainless Steel Aluminum Alloy Pressure Die Casting for Electronic Enclosure

Metalplus specializes in aluminum industrial profile design and manufacturing with a production base of more than 100,000 square meters and annual capacity exceeding 100,000 tons.

Product Portfolio

Aluminum Profile	Die Casting
Aluminum Profile System	
Aluminum Extrusion Enclosure	
LED Aluminum Extrusion Profiles	Die Casting LED Housing
Aluminum Frame	Stainless Steel Casting
Customized Aluminum Profile	Aluminum Casting
Aluminum Heat Sink	Aluminum Composite Panel
Electric Motor Housing Aluminum Profile	
Construction Aluminum Profile	
Aluminum Extrusion Tube	

Product Description

Aluminum is the most frequently used material for aluminum castings to produce lightweight parts. The basic principle of low pressure casting involves filling aluminum molds with liquid aluminum alloy under low working pressure (0.06-0.15MPa) to obtain high-quality castings through controlled solidification.

Precision die casting parts are widely used in hardware components, automotive motor parts, machinery components, medical equipment, and various industrial applications.

Technical Specifications

Parameter	Specification
Material	Aluminum Alloy, Carbon Steel, Alloy Steel, Stainless Steel
Process	Drawings → Mould Making → Die Casting → Rough Machining → CNC Machining → Surface Treatment → Product Checking → Packing → Delivery
Casting Dimension Tolerance	CT7-CT8
Casting Surface Roughness	Ra 12.5um
Casting Weight Range	0.1-100kg
Casting Size	Max linear size: 1200mm, Max diameter size: 600mm
Machining Precision	Positioning accuracy 0.008mm, Repeat positioning accuracy 0.006mm
Machining Surface Roughness	Ra0.8~6.3um
Max Travel Of Spindle	1800mm x 850mm x 700mm
Max Turning Diameter	1000mm

Material Standard	GB, ASTM, AISI, DIN, BS, JIS, NF, AS, AAR
Surface Treatment	Electroplating, Chrome Plating, Zinc Plating, Nickel plating, Electrophoresis, Anodization, Polishing, Powder coating, Sandblasting, Passivation, Spray painting
Casting Process Types	High Pressure Die Casting (HPDC), Vertical Low Pressure Die Casting (LPDC), Precision Sand Casting, Lost Foam Casting, Investment Casting, Metal Casting
Service Available	OEM & ODM
Quality Control	0 defects, 100% inspection before packing
Application	Train & railway, automobile & truck, construction machinery, forklift, agricultural machinery, shipbuilding, petroleum machinery, construction, valve and pumps, electric machine, hardware, power equipment
MOQ	1 TON
Payment Terms	T/T, L/C at sight
Port	Shanghai Port

Our Advantages

We export the majority of our customized products to the United States and Europe, where our customers have become regular clients. With over 17 years of manufacturing experience in aluminum extrusion, we can easily satisfy customers' needs.

- Over 17 years of manufacturing experience in aluminum extrusion
- Strong design and manufacturing capabilities including extrusion, CNC machining, milling, and turning
- Complete metal processing capabilities including stamping, laser cutting, CNC bending, and welding
- Comprehensive quality control throughout the manufacturing process for long-term stability and excellent quality

Technical Support

- Custom design services for extruded profiles including CAD drawings and 3D models
- Professional R&D team for design analysis and optimization to reduce production costs and improve product performance
- One-stop service including product design, mold customization, aluminum bar melting and casting, extrusion profiling, precision machining, and surface treatment

Factory Equipment

Extrusion

Equipped with 44 aluminum extrusion lines capable of producing commercial and industrial aluminum profiles with maximum outer diameter of 350mm. Our largest 6800-ton extruder can handle profiles up to 600mm diameter for radiators, industrial fan blades, motor enclosures, solar cell frames, and architectural applications.

Anodizing

Six anodizing production lines create uniform oxidation film thickness and color in silver, black, gold, champagne, and imitation steel. Strict quality control ensures consistent color and appearance across production batches.

Painting

Four powder spraying lines using high-quality Gema Switzerland spray nozzles with environmentally friendly paint featuring strong adhesion and durable color retention.

CNC Machining

Advanced machining equipment including 12 PRATIC machining centers for profiles up to 6 meters, automatic Wegoma cutting machines, 30 punching machines (50-100 tons), bending machines, and milling equipment for complex profile machining.

[Redacted]

[Redacted]

[Redacted]

Packing & Shipping

Strict warehouse management with manual packaging and comprehensive quality inspection before delivery.

[Redacted]

Certifications

[Redacted]

Company History

- 2004: Recognized brand of the building industry material market
- 2006: Certificate for product exemption from quality surveillance inspection and ISO9001 certification
- 2009: Advanced company award and Jiangsu famous brand certificate
- 2012: Established business relationships with Panasonic and LG
- 2015: Innovative producer and supplying partner for European clients
- 2017: Developed new baseboard heater products
- 2019: Cooperated with world's largest heater manufacturers as aluminum shell supplier
- 2023: Expanding overseas distributor network for global market growth

Notable Projects

Soccer City Stadium, Johannesburg

As the main aluminum supplier for Africa's largest stadium (94,000 seats), we contributed to this major South African construction project that received unanimous praise upon completion.

[Redacted]

[Redacted]

Lobster Trailers

Collaboration with this Nordic trailer giant featuring design optimization and advanced processing to minimize production costs while improving product performance.

[Redacted]

School Furniture Project

Supplied aluminum legs for school desks, supporting local customers in winning educational institution bids through strong design capabilities and mature manufacturing techniques.



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