OEM Custom Molding Industrial Hardware Stainless Steel Aluminum Die Casting

Our Product Introduction

Basic Information

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

Product Specification

- Model NO.: Aluminum Casting
- Machining: CNC Machining
- Alloy: Stainless Steel, Aluminum, Etc.
- Tolerance Grade: 7
- Surface Treatment: Anodizing
- Material: Aluminum Alloy
- Casting Surface Quality: 12.5
- Production Capacity: 10000 Pieces/Year
- 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, Rep.

More Images

for more products please visit us on aluminumextrusion-profiles.com

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Product Description

Custom Aluminum & Stainless Steel Die Casting Services

Metalplus specializes in aluminum industrial profile design and manufacturing with a 100,000+ square meter production base and annual capacity exceeding 100,000 tons.

Product Portfolio

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

Aluminum Die Casting Process

Aluminum is the preferred material for producing lightweight parts through low pressure casting. The process involves filling aluminum molds with liquid aluminum alloy under low working pressure (0.06-0.15MPa) to obtain high-quality castings.

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

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 12.5μm
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	Ra 0.8-6.3μm
Max Travel Of Spindle	1800mm × 850mm × 700mm
Max Turning Diameter	1000mm

Material Standards	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, etc.
Casting Process Types	High Pressure Die Casting (HPDC) Vertical Low Pressure Die Casting (LPDC) Precision Sand Casting Lost Foam Casting Investment Casting Metal Casting
Applications	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

Quality Assurance

Zero defects policy with 100% inspection before packing. Services include OEM & ODM capabilities.

Company Advantages

We export customized products to the United States and Europe, building long-term relationships with our customers.

- 17+ years of manufacturing experience in aluminum extrusion
- Strong design capabilities with fast extrusion, CNC machining, milling, and turning services
- Complete metal processing machines including laser cutting, CNC bending, and welding
- Comprehensive quality control throughout the manufacturing process

Technical Support Services

- Custom design services including CAD drawings and 3D models for customer confirmation
- Professional R&D team for design analysis and optimization
- One-stop service from product design to surface treatment
- Raw material composition control and production process accuracy maintenance

Manufacturing Capabilities

Extrusion

44 aluminum extrusion lines with PLC control systems, including a 6800-ton extruder for profiles up to 600mm diameter.

Anodizing

6 anodizing production lines producing uniform oxidation films in various colors including silver, black, gold, champagne, and imitation steel.

Painting

4 powder spraying lines using Gema Switzerland nozzles with environmentally friendly, durable paints.

CNC Machining

Advanced machining equipment including 12 PRATIC machining centers, Wegoma automatic cutting machines, 30 punching machines, and bending equipment.

Packaging & Shipping

Strict warehouse management with comprehensive inspection before delivery.

Certifications

Company History

- 2004: Recognized brand of the building industry material market
- 2006: Certificate for product exemption from quality surveillance inspection and ISO9001
- 2009: Advanced company, Jiangsu famous brand certificate, Credible product of quality in Jiangsu Province
- 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
- 2023: Expanding overseas distributor network

Notable Projects

Soccer City Stadium, Johannesburg: Main aluminum supplier for Africa's largest capacity stadium (94,000 seats).

Lobster Trailers: Partnership with Nordic trailer giant featuring design optimization and cost-effective production.

School Project: Supplied aluminum legs for school desks, supporting local customer Dadn's successful bid.

Hentec Industry Co.,Ltd

+86-13861643436 aluminum@hentec.com.cn aluminumextrusion-profiles.com

Qinfeng Road No.555 Huashi Town Jiangyin Jiangsu China (mainland) 214421