

LED Shell COB Heatsink Housing Aluminum Die Casting with Custom Mould

Our Product Introduction

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Basic Information

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



Product 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, Rep. Position. Accuracy 0.006mm
- Machining Surface Roughness: Ra0.8~6.3um
- Max Travel Of Spindle: 1800mmx850mmx700mm



More Images



Product Description

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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 Description

Aluminum is the most frequently used material for aluminum castings to produce lightweight parts. The basic principle of low pressure casting of aluminum alloy is to make the liquid aluminum alloy fill the aluminum mold and undergo the entire solidification process under low working pressure (0.06-0.15MPa) to obtain high-quality casting.

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

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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, Etc.
Casting Process Type	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

- Over 17 years of manufacturing experience in Aluminum Extrusion
- Strong design and extrusion capabilities with fast CNC machining, milling, and turning
- Complete metal processing machines including laser cutting, CNC bending, and welding
- Comprehensive quality control throughout the manufacturing process for long-term stability
- Regular exports to United States and Europe with established customer relationships

Technical Support

Our professional R&D team provides comprehensive technical support including:

- Custom design of extruded profiles based on customer requirements with CAD drawings and 3D models
- Design analysis and optimization to reduce production costs and improve product performance
- One-stop service from product design to surface treatment with complete quality control

Factory Equipment

Extrusion

44 aluminum extrusion lines with PLC control systems, including a 6800-ton extruder capable of producing profiles up to 600mm diameter for radiators, industrial fan blades, motor enclosures, and solar cell frames.

Anodizing

6 anodizing production lines producing uniform oxidation film thickness in silver, black, gold, champagne, and imitation steel colors with comprehensive quality inspection.

Painting

4 powder spraying lines using high-quality Gema Switzerland nozzles with environmentally friendly, durable paint.

CNC Machining

Advanced machining equipment including 12 PRATIC machining centers, Wegoma automatic cutting machines, 30 punching machines (50-100 tons), and 10 stretch bending machines for precise profile processing.

Packing & Shipping

Strict warehouse management with manual packaging and 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 as aluminum shell supplier

2023: Expanding overseas distributor network for win-win benefits


Project Portfolio


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

Lobster Trailers: Professional R&D collaboration with Nordic trailer giant, optimizing designs and production processes.

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



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