



Customized Dimensions CNC Machining LED Flood Light Shell with Polished Surface Aluminum Casting Heatsink

Basic Information

- Certification: ISO 9001:2000
- Minimum Order Quantity: 100
- Price: 0.99



Product Specification

- Material: Aluminum Alloy
- Casting Tolerance: CT7-CT8
- Surface Roughness: Ra 12.5um
- Weight Range: 0.1-100kg
- Max Linear Size: 1200mm
- Max Diameter Size: 600mm
- Machining Precision: 0.008mm
- Reposition Accuracy: 0.006mm
- Machining Roughness: Ra0.8~6.3um
- Max Spindle Travel: 1800mmx850mmx700mm
- Max Turning Diameter: 1000mm
- Extrusion Capacity: 6800 Ton
- Profile Diameter: 350mm
- Anodizing Lines: 6
- Powder Spraying Lines: 4



More Images



Product Description

LED Flood Light Lamp Shell Heatsink Machining Parts Aluminum Casting

Sandblasting High Quality Aluminum Housing LED Lighting Casting With SGS

Product Overview

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.

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

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 involves filling the aluminum mold and completing the solidification process under low working pressure (0.06 ~ 0.15MPa) to obtain high quality castings.

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

Specifications

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	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 TONS
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 our extensive experience in this field, we can easily satisfy customers' needs.

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

Technical Support

Based on customer requirements, we design extruded profile appearances, provide CAD drawings and 3D models for confirmation, customize molds, and extrude aluminum profiles that meet specifications

For customers with design capabilities, our professional R&D team analyzes and optimizes designs based on customer drawings and our extrusion processing experience

One-stop service model including product design, customized molds, aluminum bar melting and casting, extrusion profiling, precision machining, and surface treatment

Factory Equipment

Extrusion

Equipped with 44 aluminum extrusion lines, MetalPlus produces various standards of commercial and industrial aluminum profiles with maximum outer diameter of 350mm. Our largest extruder is a 6800 ton unit capable of producing industrial profiles up to 600mm diameter.

Anodizing

MetalPlus has 6 anodizing production lines creating uniform oxidation film thickness and color. Available colors include silver, black, gold, champagne, and imitation steel, with custom colors available upon request.

Painting

Our factory is equipped with 4 powder spraying lines using high-quality spray nozzles from Gema Switzerland, with safe and environmentally friendly paint featuring strong adhesive force and durable color retention.

CNC Machining

MetalPlus is equipped with advanced machining equipment including 12 PRATIC machining centers, fully automatic cutting machines from Wegoma, 30 punching machines (50-100 tons), 10 stretch bending machines, and 10 milling machines for comprehensive metal processing capabilities.

Packing & Shipping

Finished products are packaged manually and ready for delivery. MetalPlus adopts strict warehouse management procedures with detailed recording and examination of all products before shipping.

Company History

- 2004 - "The 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", "Certificate for Credible Product of Quality in Jiangsu Province"
- 2012 - Established business relationship with Panasonic, LG
- 2015 - Became innovative producer and supplying partner for European clients
- 2017 - Developed new products of baseboard heaters
- 2019 - Cooperated with world's largest heater manufacturers, supplying aluminum shells
- 2023 - Expanding overseas distributor network for win-win benefits

Notable Projects

Soccer City Stadium, Johannesburg



The 94,000 seat stadium is the largest capacity stadium in Africa. We were honored to participate as the main aluminum supplier for this major South African project.

Lobster Trailers




We proudly cooperate with this Nordic trailer giant. Our professional R&D team analyzes and improves upon Lobster's designs, processing them with excellent equipment and technology to minimize production costs and improve product performance.

School Desk Project



We supplied aluminum legs for school desks for our local customer Dadn, helping them win the school project bid with our strong design capabilities and mature technology.



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