



Polished Aluminum Die Casting LED Housing with Customized Dimensions and CNC Machining

Our Product Introduction

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

Basic Information

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



Product Specification

- Material: Aluminum Alloy
- Surface Preparation: Polishing
- Tolerance Grade: 7
- 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
- Casting Process: High Pressure Die Casting (HPDC)
- Production Capacity: 10000 Pieces/Year
- Extruder Capacity: 6800 Ton



More Images



Product Description

LED Housing Lighting System Heatsink Aluminum Polishing Casting

Aluminum is the most frequently used material for producing lightweight parts through casting processes. Our low pressure casting technology ensures high-quality castings by filling aluminum molds and completing solidification under controlled low pressure (0.06-0.15MPa).

Product 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, 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, 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 Manufacturing Advantages

- Over 17 years of aluminum extrusion manufacturing experience
- Strong design capabilities with fast extrusion, CNC machining, milling, and turning services
- Complete metal processing facilities including stamping, laser cutting, CNC bending, and welding
- Comprehensive quality control throughout the manufacturing process for long-term stability
- Export expertise with regular customers in United States and Europe

Technical Support Services

Our comprehensive technical support includes design assistance, CAD drawings, 3D modeling, mold customization, and complete production process management.

- Custom design services for extruded profiles with CAD drawings and 3D models
- Design optimization by professional R&D team to reduce costs and improve performance
- One-stop service from product design to surface treatment with quality control at every stage

Factory Equipment Capabilities

Extrusion

44 aluminum extrusion lines with PLC control systems, capable of producing commercial and industrial aluminum profiles up to 350mm outer diameter. Our largest 6800-ton extruder handles complex industrial profiles up to 600mm diameter.

Anodizing

6 anodizing production lines creating uniform oxidation films for improved corrosion resistance, hardness, and wear resistance. Available in silver, black, gold, champagne, and imitation steel colors with custom options.

Painting

4 powder spraying lines using Gema Switzerland nozzles with environmentally friendly, durable paints featuring strong adhesion and color retention.

CNC Machining

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

Quality Assurance & Packaging

Strict warehouse management with comprehensive inspection procedures. All finished products undergo manual packaging and quality verification before delivery.

Company History & Certifications

Established track record since 2004 with multiple industry recognitions including ISO9001 certification, Jiangsu Famous Brand, and partnerships with global companies like Panasonic and LG.

Notable Projects

We have contributed to major international projects including the Soccer City Stadium in Johannesburg and partnerships with industry leaders like Lobster Trailers, providing optimized aluminum solutions for various applications.



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