



Customized Powder Paint Street Lamp Shell with CNC Machining Aluminum Die Casting

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
- 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 Surface Roughness: Ra0.8~6.3um
- Max Spindle Travel: 1800mmx850mmx700mm
- Max Turning Diameter: 1000mm
- Casting Process: High Pressure Die Casting (HPDC), Vertical Low Pressure Die Casting (LPDC), Precision Sand Casting, Lost Foam Casting, Investment Casting



More Images



Product Description

OEM Customized Street Lamp Shell Powder Paint Aluminum Casting

Aluminum is the preferred material for casting applications requiring lightweight components. Our low pressure casting process ensures high-quality aluminum castings by filling molds and completing solidification under controlled pressure conditions (0.06-0.15MPa), resulting in superior product integrity.

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 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
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

Company Advantages

17+ Years Experience

Extensive manufacturing expertise in aluminum extrusion and casting

Complete Design & Production

Strong R&D capabilities with fast design, extrusion, CNC machining, milling, and turning services

Comprehensive Metal Processing

Full-service capabilities including stamping, laser cutting, CNC bending, and welding

Quality Assurance

Strict process control ensures long-term stability and excellent product quality

Technical Support Services

Custom Design & Engineering

Our team assists with product appearance design, provides CAD drawings and 3D models, creates custom molds, and produces aluminum profiles meeting exact specifications.

Design Optimization

For clients with existing designs, our R&D team analyzes and optimizes designs using extrusion processing experience to reduce costs and enhance performance.

One-Stop Manufacturing

Complete service from product design, custom molds, aluminum bar melting, extrusion profiling, precision machining, to surface treatment with full quality control.

Manufacturing Capabilities

Extrusion Facilities

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

Anodizing Department

6 anodizing production lines creating uniform oxidation films in various colors (silver, black, gold, champagne, imitation steel) with enhanced corrosion resistance and hardness.

Painting Facilities

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

CNC Machining Center

Advanced machining equipment including 12 PRATIC machining centers for complex profile processing, automatic cutting machines, 30 punching machines (50-100 ton capacity), bending machines, and milling equipment for precise component manufacturing.

Packaging & Shipping

Manual packaging with strict warehouse management procedures, organized storage sections, and comprehensive inspection before delivery.

Quality Certifications

Notable Projects

Soccer City Stadium, Johannesburg

As main aluminum supplier for Africa's largest stadium (94,000 seats), contributing to this major construction project.


Lobster Trailers Partnership

Collaboration with Nordic trailer manufacturer, providing design optimization and precision manufacturing services.

Educational Furniture Supply

Supplying aluminum legs for school desks through strong design capabilities and mature manufacturing techniques.



 +86-13861643436

 aluminum@hentec.com.cn

 aluminumextrusion-profiles.com

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