

# Global Aluminium Powder Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Aluminium Powder market size is expected to reach \$ 1684 million by 2032, rising at a market growth of 2.9% CAGR during the forecast period (2026-2032).

Aluminium powder is a traded metallic powder made from aluminium or aluminium alloys and delivered as dry powder in defined particle-size distributions and morphologies. It serves as an energy-dense, conductive and lightweight feedstock that underpins multiple downstream routes where shape, surface area, and reactivity are critical. Typical supply is specified by morphology such as spherical, irregular or flake, by production route such as gas or water atomization or mechanical milling, and by purity and particle-size bands. The product's importance stems from its role in powder metallurgy for pressed and sintered parts, in additive manufacturing as flowable spherical feedstock, in autoclaved aerated concrete where fine flake powders generate porosity, in paints and coatings where flake powders create metallic appearance and barrier effects, and in certain compliant pyrotechnic and chemical-reductant uses.

Upstream, producers secure aluminium ingots or alloy bars and convert them through atomization or milling into classified powders; key cost drivers include primary metal prices, atomization energy, yield and classification losses, and post-treatments such as surface coatings. Downstream, buyers are diversified and quality-sensitive. Powder metallurgy and additive manufacturing users emphasize consistent PSD, flowability, apparent density and oxygen content, often qualifying suppliers via multi-month sampling and audit programs; AAC producers prioritize fine flake grades with controlled gas-evolution behavior; coatings customers require flake shape factors, leafing behavior and color stability. Procurement modes range from annual or multi-year framework contracts with approved-vendor lists to spot replenishment for specialty grades. Typical gross margins for established suppliers fall in a mid-twenties range on an EXW basis,

supported by technical qualification barriers, product stewardship and certification cycles, locked-in process windows at customer plants, and the need for reliable post-sale technical support that raises switching costs.

In the current market, global production is around 310 k t, with an average selling price of about 4206 USD per t EXW basis. Industry leadership is characterized by diversified multi-route suppliers with both flake and spherical capabilities, and by specialized players focused on high-flowability spherical grades for additive manufacturing or fine flake grades for AAC and coatings. Demand is concentrated in China, North America and Europe, while Indo-Pacific markets outside China are expanding on the back of AAC capacity additions, 3D-printing adoption and coatings upgrades. Looking ahead to 2025–2031, directional drivers include tighter quality standards in safety-critical end uses, broader adoption of additive manufacturing in serial production, energy-efficiency retrofits in AAC lines, and customers' preference for qualified dual-sourcing. Constraints remain in energy costs, qualification lead times, and regulatory stewardship for powders with specific reactivity or handling requirements. Capacity expansions will continue in atomized spherical grades, but product-mix optimization and yield management are likely to matter more than nameplate tonnage. Suppliers that combine route flexibility, application-specific technical support, and proven audit trails are best positioned to capture the next cycle.

This report studies the global Aluminium Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Aluminium Powder and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Aluminium Powder that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Aluminium Powder total production and demand, 2021-2032, (K MT)

Global Aluminium Powder total production value, 2021-2032, (USD Million)

Global Aluminium Powder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Aluminium Powder consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Aluminium Powder domestic production, consumption, key domestic manufacturers and share

Global Aluminium Powder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Aluminium Powder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Aluminium Powder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Aluminium Powder market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kymera International, United States Metal Powders, The Metal Powder Company, MMP Industries, Toyal Group, ECKART, Pometon, Hunan Jinma Aluminium Industry, Henan Yilong Aluminium Powder, Changsha Zuxing New Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Aluminium Powder market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (US\$/MT) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Aluminium Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Aluminium Powder Market, Segmentation by Type:

Spherical Powder

Irregular Powder

Flake Powder

Granular Fine Powder

Others

#### Global Aluminium Powder Market, Segmentation by Production Route:

Gas Atomized

Water Atomized

Mechanical Milled

Other Physical Routes

#### Global Aluminium Powder Market, Segmentation by Purity Grade:

Industrial Grade

High Purity Grade

Ultra High Purity Grade

Global Aluminium Powder Market, Segmentation by Application:

Paint and Pigment

Photovoltaic Electronic Paste

Refractory Materials Industry

Powder Metallurgy And Metal Parts

Pyrotechnics And Propellants

Others

Companies Profiled:

Kymera International

United States Metal Powders

The Metal Powder Company

MMP Industries

Toyal Group

ECKART

Pometon

Hunan Jinma Aluminium Industry

Henan Yilong Aluminium Powder

Changsha Zuxing New Materials

Henan Yuanyang Powder Technology

Jiangsu Tianyuan Metal Powder

Ansteel Industrial Micro Aluminum Powder

Zhangqiu Metallic Pigment

Hunan Jinhao New Material Technology

**Key Questions Answered:**

1. How big is the global Aluminium Powder market?
2. What is the demand of the global Aluminium Powder market?
3. What is the year over year growth of the global Aluminium Powder market?
4. What is the production and production value of the global Aluminium Powder market?
5. Who are the key producers in the global Aluminium Powder market?
6. What are the growth factors driving the market demand?

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