

## **Global Aluminium Powder Market Report and Forecast 2023-2028**

Market Report | 2023-09-09 | 185 pages | EMR Inc.

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### **Report description:**

Global Aluminium Powder Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the global aluminium powder market reached a volume of 645.43 KMT in 2022. Aided by the escalating demand for lightweight materials and the growing applications of aluminium powder in a range of industries, the market is projected to further grow at a CAGR of 1.5% between 2023 and 2028 to grow significantly by 2028.

Aluminium powder, derived from pure aluminium, exhibits the metallic properties of aluminium but in powdered form. It is widely used in a variety of products, ranging from paints, coatings, and pigments, to explosives, propellants, and 3D printing materials. It plays an instrumental role in reducing weight, increasing strength, and enhancing the aesthetics of finished products, propelling the aluminium powder market expansion.

Besides its structural advantages, aluminium powder offers excellent thermal and electrical conductivity properties, making it a highly sought-after ingredient in numerous industrial applications, including electronics, automotive, and aerospace.

The growing consumer preference for lightweight materials is driving the global aluminium powder market growth. With the mounting awareness of the benefits associated with the use of lightweight materials, such as improved fuel efficiency and reduced emissions, there has been a significant shift towards aluminium powder-enhanced products. This trend is particularly noticeable in the automotive and aerospace industries, where the need for fuel efficiency and performance optimisation is paramount.

Additionally, the emerging trend of sustainable manufacturing practices has further amplified the popularity of aluminium powder, given its recyclability and lower environmental impact compared to other metals. The expanding applications of aluminium powder across diverse sectors also significantly contribute to the aluminium powder market development. In the electronics industry, aluminium powder is used in conductive pastes and adhesives for its excellent electrical conductivity.

The cosmetics industry utilises aluminium powder as a colouring agent and sunscreen ingredient due to its reflective properties. Furthermore, aluminium powder's flammability and reactivity make it an essential ingredient in the manufacturing of pyrotechnics and explosives, aiding the aluminium powder market growth.

Moreover, the growing demand for 3D printing technologies in various sectors, from automotive to healthcare, has resulted in an increased focus on aluminium powder. As an ideal material for additive manufacturing due to its high strength-to-weight ratio and

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excellent printability, aluminium powder has emerged as a key component in the production of 3D printed parts and components, thereby fuelling the aluminium powder market expansion.

#### Market Segmentation □

The market can be divided based on technology, end use, raw material, and region.

#### Market Breakup Technology

- Air Atomisation

- Others

#### Market Breakup by End Use

- Industrial

- Automotive

- Chemicals

- Construction

- Explosives

- Defence and Aerospace

- Others

#### Market Breakup by Raw Material

- Aluminium Ingots

- Aluminium Scrap

#### Market Breakup by Region

- North America

- Europe

- Asia Pacific

- Latin America

- Middle East and Africa

#### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global aluminium powder companies. Some of the major key players explored in the report by Expert Market Research are as follows:

- Alcoa Corporation

- UC Rusal

- Aluminium Powder Company Ltd

- Kymera International

- Toyal America Inc.

- Others

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