

Global Aluminum Alloy 3D Printing Powder Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Aluminum Alloy 3D Printing Powder market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Aluminum alloy 3D printing powder is a powder used in the additive manufacturing process of 3D printing, used to manufacture objects made of aluminum alloy. It is usually made by atomizing molten aluminum alloy into fine particles, which can then be used as a raw material for 3D printers. The aluminum alloy powder used in 3D printing is usually composed of a combination of aluminum and other metals (such as magnesium, silicon, and copper) to improve the mechanical properties of the final product. The specific composition of the powder can vary according to the expected properties of the printed object. Aluminum alloy 3D printing powder is commonly used in aerospace, automotive, and manufacturing industries to manufacture lightweight, high-strength components. It can also be used to create complex geometric shapes that are difficult or impossible to produce using traditional manufacturing methods. It should be noted that due to the high reactivity of aluminum with oxygen, using aluminum alloy powder for 3D printing may be challenging, which can lead to powder oxidation and defects in the final product. Therefore, special precautions must be taken during the printing process to ensure the quality and consistency of the printed objects.

This report studies the global Aluminum Alloy 3D Printing Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Aluminum Alloy 3D Printing Powder, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends

and competition, as well as details the characteristics of Aluminum Alloy 3D Printing Powder that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Aluminum Alloy 3D Printing Powder total production and demand, 2018-2029, (Tons)

Global Aluminum Alloy 3D Printing Powder total production value, 2018-2029, (USD Million)

Global Aluminum Alloy 3D Printing Powder production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Aluminum Alloy 3D Printing Powder consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Aluminum Alloy 3D Printing Powder domestic production, consumption, key domestic manufacturers and share

Global Aluminum Alloy 3D Printing Powder production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Aluminum Alloy 3D Printing Powder production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Aluminum Alloy 3D Printing Powder production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Aluminum Alloy 3D Printing 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 Alcoa Corporation, Rio Tinto Group, Carpenter Technology Corporation, ATI Powder Metals, Sandvik AB, GKN Powder Metallurgy, EOS GmbH, LPW Technology Ltd. and 3D Systems Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Aluminum Alloy 3D Printing Powder market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Aluminum Alloy 3D Printing Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Aluminum Alloy 3D Printing Powder Market, Segmentation by Type

AlSi10Mg

AlSi12

Al7075

Al6061

Global Aluminum Alloy 3D Printing Powder Market, Segmentation by Application

Aerospace Industry

Automotive Industry

Medical Instruments

Industrial

Companies Profiled:

Alcoa Corporation

Rio Tinto Group

Carpenter Technology Corporation

ATI Powder Metals

Sandvik AB

GKN Powder Metallurgy

EOS GmbH

LPW Technology Ltd.

3D Systems Corporation

Renishaw plc

SLM Solutions Group AG

Additive Industries B.V.

PyroGenesis Canada Inc.

Xact Metal, Inc.

Key Questions Answered

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

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