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Global Atomized Metal Powder for Additive Manufacturing Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Atomized Metal Powder for Additive Manufacturing market size is expected to reach $ 7502 million by 2032, rising at a market growth of 5.5% CAGR during the forecast period (2026-2032).
In 2025, global Atomized Metal Powder for Additive Manufacturing production reached approximately 25 kilotons with an average global market price of around US$200 per kg. Single-line annual production capacity averages 1,100 tons with a gross margin of approximately 33.8-37.4%. The upstream of Atomized Metal Powder for Additive Manufacturing primarily focuses on the atomization processing of high-performance metals such as stainless steel, aluminum alloys, and titanium alloys, with downstream applications accounting for 35% in the aerospace industry, 25% in medical devices, 15% in industrial molds, 20% in automotive manufacturing, and 15% in energy and power. The market demand for Atomized Metal Powder for Additive Manufacturing continues to grow, and business opportunities are centered around customized research and development of high-performance materials and the optimization of supply chains.
Atomized Metal Powder for Additive Manufacturing represents a highly refined and controlled material that is engineered to ensure optimal performance in the context of 3D printing processes. This specialized powder is meticulously produced through the atomization of molten metal, resulting in particles with uniform size and shape, which are crucial for achieving consistent layer adhesion and minimizing defects during the printing cycle. The powder's precise composition and particle distribution enable the creation of complex geometries with exceptional detail, high strength, and mechanical integrity. Its unique characteristics facilitate efficient material utilization, reduced waste, and enhanced manufacturing flexibility, ultimately leading to cost-effective and time-efficient production solutions.

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The future of the Atomized Metal Powder for Additive Manufacturing industry will be marked by the pursuit of high-performance material research, the relentless improvement in particle size and uniformity, and an emphasis on environmentally friendly and sustainable production. Customization and intelligent manufacturing will cater to diverse requirements, while the development of multi-material composite powders and the enhancement of industry standardization and certification will be pivotal. Furthermore, cost reduction through technological innovation and economies of scale, the expansion of cross-industry applications, and the utilization of advanced technologies for quality control and process monitoring will all contribute to strengthening market competitiveness within a globally integrated supply chain.
This report studies the global Atomized Metal Powder for Additive Manufacturing production, demand, key manufacturers, and key regions.
This report is a detailed and comprehensive analysis of the world market for Atomized Metal Powder for Additive Manufacturing 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 Atomized Metal Powder for Additive Manufacturing that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Atomized Metal Powder for Additive Manufacturing total production and demand, 2021-2032, (Tons)
Global Atomized Metal Powder for Additive Manufacturing total production value, 2021-2032, (USD Million)
Global Atomized Metal Powder for Additive Manufacturing production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global Atomized Metal Powder for Additive Manufacturing consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: Atomized Metal Powder for Additive Manufacturing domestic production, consumption, key domestic manufacturers and share
Global Atomized Metal Powder for Additive Manufacturing production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global Atomized Metal Powder for Additive Manufacturing production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global Atomized Metal Powder for Additive Manufacturing production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
This report profiles key players in the global Atomized Metal Powder for Additive Manufacturing market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and

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key developments. Key companies covered as a part of this study include H?gan?s AB, Rio Tinto, KOBELCO, AMETEK, ECKART, GE Additive, Luxfer Magtech, Sandvik, Daido Steel, CRS Holdings, 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 Atomized Metal Powder for Additive Manufacturing market
Detailed Segmentation:
Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Tons) and average price (K US$/Ton) 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 Atomized Metal Powder for Additive Manufacturing Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Atomized Metal Powder for Additive Manufacturing Market, Segmentation by Type:

Water Atomized Metal Powders

Gas Atomized Metal Powders

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Plasma Atomization Metal Powders

Global Atomized Metal Powder for Additive Manufacturing Market, Segmentation by Powder Specification:

Custom AM Metal Powder

Regular AM Metal Powder

Global Atomized Metal Powder for Additive Manufacturing Market, Segmentation by Powder Ingredient:

Titanium-based

Copper-based

Tungsten-based

Nickel-based

Iron-Based

Others

Global Atomized Metal Powder for Additive Manufacturing Market, Segmentation by Application:

Aerospace

Medical Devices

Industrial Molds

Automotive Manufacturing

Energy & Power

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Others

Companies Profiled:

H?gan?s AB

Rio Tinto

KOBELCO

AMETEK

ECKART

GE Additive

Luxfer Magtech

Sandvik

Daido Steel

CRS Holdings

Linde AMT

Erasteel (Eramet Group)

OSAKA Titanium Technologies

Kymera International

Safina

GKN Powder Metallurgy

PyroGenesis

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Outokumpu

SCHLENK

AP&C

Shandong Iron and Steel Group

Hangzhou Yitong New Materials

Anhui CNPC Powder China

Xi'an Bright Laser Technologies

Qinghuangdao YaHao Materials & Technology

Beijing Advanced Technology and Materials(AT&M)

Grinm Metal Composites (Beijing)

Ningbo Zhongyuan Advanced Materials Technologies

Key Questions Answered:

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

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