

# Global Nitrogen Atomized Metal Powder Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Nitrogen Atomized Metal Powder market size is expected to reach \$ 5167 million by 2032, rising at a market growth of 8.4% CAGR during the forecast period (2026-2032).

In 2025, global Nitrogen Atomized Metal Powder production reached approximately 395,833 tons, with an average global market price of around US\$7,200 per ton.

The gross profit margin of major companies in the industry is between 20% ? 35%.

In 2025, the global production capacity of nitrogen atomized metal powder was approximately 527,778 tons.

Nitrogen Atomized Metal Powder is produced by disintegrating molten metal into fine droplets using high-pressure nitrogen gas, resulting in spherical particles with controlled size distribution. It is widely used in powder metallurgy, additive manufacturing, metal injection molding, and coating applications.

The industrial chain includes upstream raw metals such as iron, stainless steel, aluminum, and specialty alloys. Midstream processes involve melting, atomization, powder classification, drying, and packaging. Downstream applications cover automotive components, aerospace parts, tooling, 3D printing, and industrial machinery manufacturing. Quality testing and particle size control services ensure performance consistency.

The nitrogen atomized metal powder market is driven by additive manufacturing and high-performance component demand. Growth in 3D printing and precision engineering

increases requirement for fine spherical powders. Technological improvements focus on particle size control and purity enhancement. Overall, advanced manufacturing trends support strong market expansion.

This report studies the global Nitrogen Atomized Metal Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nitrogen Atomized Metal 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 Nitrogen Atomized Metal Powder that contribute to its increasing demand across many markets.

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

Global Nitrogen Atomized Metal Powder total production and demand, 2021-2032, (Tons)

Global Nitrogen Atomized Metal Powder total production value, 2021-2032, (USD Million)

Global Nitrogen Atomized Metal Powder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Nitrogen Atomized Metal Powder consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Nitrogen Atomized Metal Powder domestic production, consumption, key domestic manufacturers and share

Global Nitrogen Atomized Metal Powder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Nitrogen Atomized Metal Powder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Nitrogen Atomized Metal Powder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Nitrogen Atomized Metal 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 Hoganas, Ansteel Group, Hunan Jinhao New Material Technology, Zhangqiu Metallic Pigment, Hunan Goldsky Aluminum Industry, Angang Group, Jiangsu Tianyuan Metal Powder, Hunan Ningxiang Jiweixin, Advanced Engineering Materials, Hefei Sunrise Aluminium Pigments, 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 Nitrogen Atomized Metal 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 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Nitrogen Atomized Metal Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Nitrogen Atomized Metal Powder Market, Segmentation by Type:

Aluminum Powder

Tin Powder

Magnesium Powder

Others

Global Nitrogen Atomized Metal Powder Market, Segmentation by Particle Size:

Fine Metal Powder

Medium Particle Powder

Coarse Metal Powder

Global Nitrogen Atomized Metal Powder Market, Segmentation by Flowability Grade:

Standard Flow Powder

High Flow Powder

Controlled Flow Powder

Global Nitrogen Atomized Metal Powder Market, Segmentation by Application:

Additive Manufacturing

Metallic Pigments

Photovoltaic Electronic Paste

Refractory Materials

Thermal Interface Material

Others

Companies Profiled:

Hoganas

Ansteel Group

Hunan Jinhao New Material Technology

Zhangqiu Metallic Pigment

Hunan Goldsky Aluminum Industry

Angang Group

Jiangsu Tianyuan Metal Powder

Hunan Ningxiang Jiweixin

Advanced Engineering Materials

Hefei Sunrise Aluminium Pigments

Shanghai Greenerth Chemicals

HNYT Metal Powder Technology

Shan Dong Jie Han Metal Material

Tangshan Weihao Magnesium Powder

### **Key Questions Answered:**

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

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