

Global Zirconium Nitride Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Zirconium Nitride market size is expected to reach \$ 172 million by 2032, rising at a market growth of 5.6% CAGR during the forecast period (2026-2032).

In 2025, the global production of zirconium nitride was approximately 950 tons, with an average selling price of about US\$120 per kilogram. Single-line production capacity is approximately 30-100 tons per year, with an average gross profit margin of about 20-30%. Zirconium nitride is a golden-yellow, high-hardness, high-temperature resistant, and corrosion-resistant metal nitride ceramic material with excellent physicochemical stability. It typically has a cubic crystal structure and oxidizes at high temperatures in air.

The upstream raw materials for zirconium nitride mainly include zirconium sources (such as zirconium sponge, zirconium oxide, and zircon sand) and nitrogen sources (such as nitrogen gas and ammonia gas), as well as carbon reducing agents. Its downstream applications are highly concentrated in high-tech fields. Its core applications include serving as a key component in superhard composite materials for high-end cutting tools and drilling equipment, as a wear-resistant and corrosion-resistant coating widely used in precision tools, aerospace components, and surface treatment of high-end consumer goods, and as a special functional material serving the nuclear industry and refractory materials industry.

This report studies the global Zirconium Nitride production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Zirconium Nitride 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 Zirconium Nitride that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Zirconium Nitride total production and demand, 2021-2032, (Tons)

Global Zirconium Nitride total production value, 2021-2032, (USD Million)

Global Zirconium Nitride production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Zirconium Nitride consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Zirconium Nitride domestic production, consumption, key domestic manufacturers and share

Global Zirconium Nitride production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Zirconium Nitride production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Zirconium Nitride production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Zirconium Nitride 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 Japan New Metals, Toyoko Kagaku, AEM Metal, SAT NANO, Stanford Advanced Materials, JinZhou HaiXin Metal Materials, Zhejiang Aimei Nano Technology, 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 Zirconium Nitride market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) 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 Zirconium Nitride Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Zirconium Nitride Market, Segmentation by Type:

Powder

Granule

Thin Film

Others

Global Zirconium Nitride Market, Segmentation by Purity:

Purity

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