

Global Zirconium Nitride Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G182E5FC7C4DEN.html>

Date: January 2026

Pages: 98

Price: US\$ 3,480.00 (Single User License)

ID: G182E5FC7C4DEN

Abstracts

According to our (Global Info Research) latest study, the global Zirconium Nitride market size was valued at US\$ 117 million in 2025 and is forecast to a readjusted size of US\$ 172 million by 2032 with a CAGR of 5.6% during review period.

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 is a detailed and comprehensive analysis for global Zirconium Nitride market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this

report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Zirconium Nitride market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Zirconium Nitride market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Zirconium Nitride market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global Zirconium Nitride market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Zirconium Nitride

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Zirconium Nitride market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Zirconium Nitride market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Powder

Granule

Thin Film

Others

Market segment by Purity

Purity

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