

# Global Nano-Zirconia Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Nano-Zirconia market size was valued at USD 813.9 million in 2023 and is forecast to a readjusted size of USD 787 million by 2030 with a CAGR of -0.5% during review period.

Nano-zirconia refers to the zirconia product with the particle size in the nano-grade, including zirconia and composite zirconia.

Nano zirconia, also ZrO<sub>2</sub> nanoparticle, is white powder of high purity; Composite zirconia refers to the composites of zirconium oxychloride and rare earth. According to the different formulations, the proportion of rare earth in the composites always changes. Yttrium oxide is most popular rare earth used in the composite, others also include lanthanum oxide and cerium carbonate and so on.

The major players in global Nano-Zirconia market include Daiichi Kigenso Kagaku Kogyo, Saint-Gobain, Orient Zirconic, etc. The top 3 players occupy about 40% shares of the global market. Europe and Japan are main markets, they occupy about 70% of the global market. Hydrothermal Method is the main type, with a share about 70%. Mechanical Components is the main application, which holds a share about 25%.

The Global Info Research report includes an overview of the development of the Nano-Zirconia industry chain, the market status of Biomaterials (Hydrothermal Method, Precipitation Method), Mechanical Components (Hydrothermal Method, Precipitation Method), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Nano-Zirconia.

Regionally, the report analyzes the Nano-Zirconia markets in key regions. North

America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Nano-Zirconia market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Nano-Zirconia market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Nano-Zirconia industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Hydrothermal Method, Precipitation Method).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Nano-Zirconia market.

**Regional Analysis:** The report involves examining the Nano-Zirconia market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Nano-Zirconia market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Nano-Zirconia:

**Company Analysis:** Report covers individual Nano-Zirconia manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and

attitudes towards Nano-Zirconia This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Biomaterials, Mechanical Components).

**Technology Analysis:** Report covers specific technologies relevant to Nano-Zirconia. It assesses the current state, advancements, and potential future developments in Nano-Zirconia areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Nano-Zirconia market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Nano-Zirconia market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Hydrothermal Method

Precipitation Method

### Market segment by Application

Biomaterials

Mechanical Components

Automotive Exhaust Treatment

Wear-resistant Products

Special Tool

Others

#### Major players covered

Daiichi Kigenso Kagaku Kogyo

Saint-Gobain

Tosoh

Solvay

Innovnano

MEL Chemicals

KCM Corporation

Showa Denko

Orient Zirconic

Kingan

Sinocera

Jingrui

Huawang

Lida

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Nano-Zirconia product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nano-Zirconia, with price, sales, revenue and global market share of Nano-Zirconia from 2019 to 2024.

Chapter 3, the Nano-Zirconia competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nano-Zirconia breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Nano-Zirconia market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Nano-Zirconia.

Chapter 14 and 15, to describe Nano-Zirconia sales channel, distributors, customers, research findings and conclusion.

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