

Global ZnO Nanoparticles Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global ZnO Nanoparticles market size was valued at US\$ 326 million in 2024 and is forecast to a readjusted size of USD 535 million by 2031 with a CAGR of 7.4% during review period.

Zinc oxide nanoparticles are nanoparticles of zinc oxide (ZnO) that have diameters less than 100 nanometers. They have a large surface area relative to their size and high catalytic activity. The exact physical and chemical properties of zinc oxide nanoparticles depend on the different ways they are synthesized. Some possible ways to produce ZnO nano-particles are laser ablation, hydrothermal methods, electrochemical depositions, sol–gel method, chemical vapor deposition, thermal decomposition, combustion methods, ultrasound, microwave-assisted combustion method, two-step mechanochemical–thermal synthesis, anodization, co-precipitation, electrophoretic deposition, and precipitation processes using solution concentration, pH, and washing medium. ZnO is a wide-bandgap semiconductor with an energy gap of 3.37 eV at room temperature.

Yuguang Gold & Lead, BYK and EverZinc are the Top 3 players in the global ZnO Nanoparticles market. They took up about 29.84% of the global revenue share in 2019. Other players include Hakusui Tech (5.49%), Tata Chemicals (5.47%), Shaanxi Sino-Academy Nano-Material (5.14%), Jiyuan Lutai Nanomaterials (5.01%), Sakai Chemical (4.58%), Nanophase Technology (3.97%), Shandong Xinya New Material (3.12%), Grillo (2.40%), Jiangxi YUAER (2.38%) and Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial (0.42%).

This report is a detailed and comprehensive analysis for global ZnO Nanoparticles

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 ZnO Nanoparticles market size and forecasts, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/Kg), 2020-2031

Global ZnO Nanoparticles market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/Kg), 2020-2031

Global ZnO Nanoparticles market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/Kg), 2020-2031

Global ZnO Nanoparticles market shares of main players, shipments in revenue (\$ Million), sales quantity (K MT), and ASP (USD/Kg), 2020-2025

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 ZnO Nanoparticles
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global ZnO Nanoparticles 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 EverZinc, HAKUSUI TECH, Sakai Chemical, Grillo, Tata Chemicals, Nanophase Technology, BYK, Yuguang Gold & Lead, Shaanxi Sino-Academy Nano-Material, Shandong Xinya New Material, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

ZnO Nanoparticles market is split by Type and by Application. For the period 2020-2031, 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

Particle Size 60nm

Market segment by Application

Rubber

Cosmetic

Coating

Textile

Others

Major players covered

EverZinc

HAKUSUI TECH

Sakai Chemical

Grillo

Tata Chemicals

Nanophase Technology

BYK

Yuguang Gold & Lead

Shaanxi Sino-Academy Nano-Material

Shandong Xinya New Material

Jiangxi YUAER

Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial

Jiyuan Lutai Nanomaterials

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 ZnO Nanoparticles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of ZnO Nanoparticles, with price, sales quantity, revenue, and global market share of ZnO Nanoparticles from 2020 to 2025.

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

Chapter 4, the ZnO Nanoparticles breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and ZnO Nanoparticles market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 ZnO Nanoparticles.

Chapter 14 and 15, to describe ZnO Nanoparticles sales channel, distributors, customers, research findings and conclusion.

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