

# Global Oxide Nanopowders Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Oxide Nanopowders market size was valued at US\$ 2058 million in 2025 and is forecast to a readjusted size of US\$ 3941 million by 2032 with a CAGR of 9.8% during review period.

Oxide nanopowders are powder materials formed by the combination of metallic or non-metallic elements with oxygen, with particle sizes at the nanoscale. Due to their extremely small size and huge specific surface area, they exhibit physical and chemical properties that are significantly different from conventionally sized (micrometer-scale or larger) oxide powders, such as enhanced catalytic activity, unique photoelectric properties, higher mechanical strength, and special magnetic properties. The core driver of their demand growth comes from the pursuit of the limits of material performance by global industrial upgrading and technological progress. Specifically, the main demand comes from: the new energy industry (such as high-efficiency batteries, fuel cells, photo/electrocatalysts); the upgrading of advanced manufacturing (such as high-strength nanoceramics, precision optical glass, wear-resistant coatings); the innovation of electronic information technology (semi-gas-sensitive sensors, transparent conductive films); and the medical industry (biological detection, targeted drug delivery, antibacterial materials). The upstream supply chain of oxide nanopowders mainly includes basic raw materials (such as metal salts, alkoxides, minerals, etc.) and production equipment. Its core downstream supply chain is widely used in the manufacturing of functional end products, such as as key additives in high-performance ceramics and coatings, lithium-ion battery electrodes, automotive exhaust catalysts, electronic components, and targeted drug carriers and contrast agents in the biopharmaceutical field. In 2025, the production of oxide nanopowder will be approximately 20,000 tons, with an average selling price of approximately US\$100 per

kilogram, a gross profit margin of approximately 35%, and a single production line capacity of approximately 500 tons per year.

This report is a detailed and comprehensive analysis for global Oxide Nanopowders 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 Oxide Nanopowders market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Kg), 2021-2032

Global Oxide Nanopowders market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Kg), 2021-2032

Global Oxide Nanopowders market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Kg), 2021-2032

Global Oxide Nanopowders market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), 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 Oxide Nanopowders
- 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 Oxide Nanopowders 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 Evonik Industries AG, Cabot Corporation, Huber Engineered Materials, Tokai Carbon Co., Ltd., Sakai Chemical Industry Co., Ltd.,

American Elements, Umicore, TPL, Inc, Momentive Performance Materials Inc, Ossila, etc.

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

## **Market Segmentation**

Oxide Nanopowders 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**

20-30nm

30-50nm

50-100nm

Other

### **Market segment by Crystal Morphology**

Monocrystalline

Polycrystalline

### **Market segment by Application**

New Energy

Manufacturing

Electronics & Information

Medical

Other

### Major players covered

Evonik Industries AG

Cabot Corporation

Huber Engineered Materials

Tokai Carbon Co., Ltd.

Sakai Chemical Industry Co., Ltd.

American Elements

Umicore

TPL, Inc

Momentive Performance Materials Inc

Ossila

Gographene

Nanoe

AD-NANO Technologies

PI-KEM

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 Oxide Nanopowders product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Oxide Nanopowders, with price, sales quantity, revenue, and global market share of Oxide Nanopowders from 2021 to 2026.

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

Chapter 4, the Oxide Nanopowders breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Oxide Nanopowders market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Oxide Nanopowders.

Chapter 14 and 15, to describe Oxide Nanopowders sales channel, distributors, customers, research findings and conclusion.

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