



## ZnO Nanoparticles Industry Research Report 2026

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Chemical & Material	2025-12-26	128	PDF

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USD 2,950	USD 4,430	USD 5,900

### Description

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 Hikusui 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%).

### Report Scope

This report quantifies the global ZnO Nanoparticles market in revenue (US\$ million) and, where applicable, sales volume (K MT), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/K MT) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to ZnO Nanoparticles.

### Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

ZnO Nanoparticles Market by Company

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

### **ZnO Nanoparticles Segment by Type**

Particle Size <40nm

Particle Size 40-60nm

Particle Size >60nm

### **ZnO Nanoparticles Segment by Application**

Rubber

Cosmetic

Coating

Textile

Others

### **ZnO Nanoparticles Segment by Region**

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil  
Argentina  
Chile  
Colombia  
Middle East & Africa  
Egypt  
South Africa  
Israel  
Türkiye  
GCC Countries

## **Key Drivers & Barriers**

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## **Reasons to Buy This Report**

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global ZnO Nanoparticles market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of ZnO Nanoparticles and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of ZnO Nanoparticles.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## **Chapter Outline**

### **Chapter 1:**

Research objectives, research methods, data sources, data cross-validation;

### **Chapter 2:**

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

### **Chapter 3:**

Detailed analysis of ZnO Nanoparticles manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

### **Chapter 4:**

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

#### **Chapter 5:**

Production/output, value of ZnO Nanoparticles by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

#### **Chapter 6:**

Consumption of ZnO Nanoparticles in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

#### **Chapter 7:**

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

#### **Chapter 8:**

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

#### **Chapter 9:**

Analysis of industrial chain, including the upstream and downstream of the industry.

#### **Chapter 10:**

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

#### **Chapter 11:**

The main points and conclusions of the report.

# Table of Contents

---

## 1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
  - 1.5.1 Secondary Sources
  - 1.5.2 Primary Sources

---

## 2 Market Overview

- 2.1 Product Definition
- 2.2 ZnO Nanoparticles by Type
  - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
  - 2.2.2 Particle Size <40nm
  - 2.2.3 Particle Size 40-60nm
  - 2.2.4 Particle Size >60nm
- 2.3 ZnO Nanoparticles by Application
  - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
  - 2.3.2 Rubber
  - 2.3.3 Cosmetic
  - 2.3.4 Coating
  - 2.3.5 Textile
  - 2.3.6 Others
- 2.4 Global Market Growth Prospects
  - 2.4.1 Global ZnO Nanoparticles Production Value Estimates and Forecasts (2021-2032)
  - 2.4.2 Global ZnO Nanoparticles Production Capacity Estimates and Forecasts (2021-2032)
  - 2.4.3 Global ZnO Nanoparticles Production Estimates and Forecasts (2021-2032)
  - 2.4.4 Global ZnO Nanoparticles Market Average Price (2021-2032)

---

## 3 Market Competitive Landscape by Manufacturers

- 3.1 Global ZnO Nanoparticles Production by Manufacturers (2021-2026)
- 3.2 Global ZnO Nanoparticles Production Value by Manufacturers (2021-2026)
- 3.3 Global ZnO Nanoparticles Average Price by Manufacturers (2021-2026)
- 3.4 Global ZnO Nanoparticles Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global ZnO Nanoparticles Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global ZnO Nanoparticles Manufacturers, Product Type & Application
- 3.7 Global ZnO Nanoparticles Manufacturers Established Date
- 3.8 Global ZnO Nanoparticles Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

---

## 4 Manufacturers Profiled

- 4.1 EverZinc
  - 4.1.1 EverZinc ZnO Nanoparticles Company Information
  - 4.1.2 EverZinc ZnO Nanoparticles Business Overview
  - 4.1.3 EverZinc ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)
  - 4.1.4 EverZinc Product Portfolio

4.1.5 EverZinc Recent Developments

## 4.2 HAKUSUI TECH

4.2.1 HAKUSUI TECH ZnO Nanoparticles Company Information

4.2.2 HAKUSUI TECH ZnO Nanoparticles Business Overview

4.2.3 HAKUSUI TECH ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.2.4 HAKUSUI TECH Product Portfolio

4.2.5 HAKUSUI TECH Recent Developments

## 4.3 Sakai Chemical

4.3.1 Sakai Chemical ZnO Nanoparticles Company Information

4.3.2 Sakai Chemical ZnO Nanoparticles Business Overview

4.3.3 Sakai Chemical ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.3.4 Sakai Chemical Product Portfolio

4.3.5 Sakai Chemical Recent Developments

## 4.4 Grillo

4.4.1 Grillo ZnO Nanoparticles Company Information

4.4.2 Grillo ZnO Nanoparticles Business Overview

4.4.3 Grillo ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.4.4 Grillo Product Portfolio

4.4.5 Grillo Recent Developments

## 4.5 Tata Chemicals

4.5.1 Tata Chemicals ZnO Nanoparticles Company Information

4.5.2 Tata Chemicals ZnO Nanoparticles Business Overview

4.5.3 Tata Chemicals ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.5.4 Tata Chemicals Product Portfolio

4.5.5 Tata Chemicals Recent Developments

## 4.6 Nanophase Technology

4.6.1 Nanophase Technology ZnO Nanoparticles Company Information

4.6.2 Nanophase Technology ZnO Nanoparticles Business Overview

4.6.3 Nanophase Technology ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.6.4 Nanophase Technology Product Portfolio

4.6.5 Nanophase Technology Recent Developments

## 4.7 BYK

4.7.1 BYK ZnO Nanoparticles Company Information

4.7.2 BYK ZnO Nanoparticles Business Overview

4.7.3 BYK ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.7.4 BYK Product Portfolio

4.7.5 BYK Recent Developments

## 4.8 Yuguang Gold & Lead

4.8.1 Yuguang Gold & Lead ZnO Nanoparticles Company Information

4.8.2 Yuguang Gold & Lead ZnO Nanoparticles Business Overview

4.8.3 Yuguang Gold & Lead ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.8.4 Yuguang Gold & Lead Product Portfolio

4.8.5 Yuguang Gold & Lead Recent Developments

## 4.9 Shaanxi Sino-Academy Nano-Material

4.9.1 Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Company Information

4.9.2 Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Business Overview

4.9.3 Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.9.4 Shaanxi Sino-Academy Nano-Material Product Portfolio

4.9.5 Shaanxi Sino-Academy Nano-Material Recent Developments

4.10 Shandong Xinya New Material

4.10.1 Shandong Xinya New Material ZnO Nanoparticles Company Information

4.10.2 Shandong Xinya New Material ZnO Nanoparticles Business Overview

4.10.3 Shandong Xinya New Material ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.10.4 Shandong Xinya New Material Product Portfolio

4.10.5 Shandong Xinya New Material Recent Developments

4.11 Jiangxi YUAER

4.11.1 Jiangxi YUAER ZnO Nanoparticles Company Information

4.11.2 Jiangxi YUAER ZnO Nanoparticles Business Overview

4.11.3 Jiangxi YUAER ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.11.4 Jiangxi YUAER Product Portfolio

4.11.5 Jiangxi YUAER Recent Developments

4.12 Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial

4.12.1 Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial ZnO Nanoparticles Company Information

4.12.2 Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial ZnO Nanoparticles Business Overview

4.12.3 Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.12.4 Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial Product Portfolio

4.12.5 Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial Recent Developments

4.13 Jiyuan Lutai Nanomaterials

4.13.1 Jiyuan Lutai Nanomaterials ZnO Nanoparticles Company Information

4.13.2 Jiyuan Lutai Nanomaterials ZnO Nanoparticles Business Overview

4.13.3 Jiyuan Lutai Nanomaterials ZnO Nanoparticles Production Capacity, Value and Gross Margin (2021-2026)

4.13.4 Jiyuan Lutai Nanomaterials Product Portfolio

4.13.5 Jiyuan Lutai Nanomaterials Recent Developments

---

## 5 Global ZnO Nanoparticles Production by Region

5.1 Global ZnO Nanoparticles Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.2 Global ZnO Nanoparticles Production by Region: 2021-2032

5.2.1 Global ZnO Nanoparticles Production by Region: 2021-2026

5.2.2 Global ZnO Nanoparticles Production Forecast by Region (2027-2032)

5.3 Global ZnO Nanoparticles Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.4 Global ZnO Nanoparticles Production Value by Region: 2021-2032

5.4.1 Global ZnO Nanoparticles Production Value by Region: 2021-2026

5.4.2 Global ZnO Nanoparticles Production Value Forecast by Region (2027-2032)

5.5 Global ZnO Nanoparticles Market Price Analysis by Region (2021-2026)

5.6 Global ZnO Nanoparticles Production and Value, YOY Growth

5.6.1 North America ZnO Nanoparticles Production Value Estimates and Forecasts (2021-2032)

5.6.2 Europe ZnO Nanoparticles Production Value Estimates and Forecasts (2021-2032)

5.6.3 China ZnO Nanoparticles Production Value Estimates and Forecasts (2021-2032)

5.6.4 Japan ZnO Nanoparticles Production Value Estimates and Forecasts (2021-2032)

---

## 6 Global ZnO Nanoparticles Consumption by Region

6.1 Global ZnO Nanoparticles Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

6.2 Global ZnO Nanoparticles Consumption by Region (2021-2032)

6.2.1 Global ZnO Nanoparticles Consumption by Region: 2021-2026

6.2.2 Global ZnO Nanoparticles Forecasted Consumption by Region (2027-2032)

## 6.3 North America

6.3.1 North America ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.3.2 North America ZnO Nanoparticles Consumption by Country (2021-2032)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

## 6.4 Europe

6.4.1 Europe ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.4.2 Europe ZnO Nanoparticles Consumption by Country (2021-2032)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

## 6.5 Asia Pacific

6.5.1 Asia Pacific ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.5.2 Asia Pacific ZnO Nanoparticles Consumption by Country (2021-2032)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

## 6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.6.2 South America, Middle East & Africa ZnO Nanoparticles Consumption by Country (2021-2032)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

6.6.7 GCC Countries

---

## 7 Segment by Type

7.1 Global ZnO Nanoparticles Production by Type (2021-2032)

7.1.1 Global ZnO Nanoparticles Production by Type (2021-2032) & (K MT)

7.1.2 Global ZnO Nanoparticles Production Market Share by Type (2021-2032)

7.2 Global ZnO Nanoparticles Production Value by Type (2021-2032)

7.2.1 Global ZnO Nanoparticles Production Value by Type (2021-2032) & (US\$ Million)

7.2.2 Global ZnO Nanoparticles Production Value Market Share by Type (2021-2032)

7.3 Global ZnO Nanoparticles Price by Type (2021-2032)

---

## 8 Segment by Application

8.1 Global ZnO Nanoparticles Production by Application (2021-2032)

8.1.1 Global ZnO Nanoparticles Production by Application (2021-2032) & (K MT)

8.1.2 Global ZnO Nanoparticles Production Market Share by Application (2021-2032)

8.2 Global ZnO Nanoparticles Production Value by Application (2021-2032)

8.2.1 Global ZnO Nanoparticles Production Value by Application (2021-2032) & (US\$ Million)

8.2.2 Global ZnO Nanoparticles Production Value Market Share by Application (2021-2032)

8.3 Global ZnO Nanoparticles Price by Application (2021-2032)

---

## **9 Value Chain and Sales Channels Analysis of the Market**

9.1 ZnO Nanoparticles Value Chain Analysis

9.1.1 ZnO Nanoparticles Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 ZnO Nanoparticles Production Mode & Process

9.2 ZnO Nanoparticles Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 ZnO Nanoparticles Distributors

9.2.3 ZnO Nanoparticles Customers

---

## **10 Global ZnO Nanoparticles Analyzing Market Dynamics**

10.1 ZnO Nanoparticles Industry Trends

10.2 ZnO Nanoparticles Industry Drivers

10.3 ZnO Nanoparticles Industry Opportunities and Challenges

10.4 ZnO Nanoparticles Industry Restraints

---

## **11 Report Conclusion**

## **12 Disclaimer**

# List of Tables and Figures

---

## List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global ZnO Nanoparticles Production by Manufacturers (K MT) & (2021-2026)
- Table 6: Global ZnO Nanoparticles Production Market Share by Manufacturers
- Table 7: Global ZnO Nanoparticles Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global ZnO Nanoparticles Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global ZnO Nanoparticles Average Price (USD/Kg) of Manufacturers (2021-2026)
- Table 10: Global ZnO Nanoparticles Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global ZnO Nanoparticles Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global ZnO Nanoparticles Manufacturers, Product Type & Application
- Table 13: Global ZnO Nanoparticles Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global ZnO Nanoparticles by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: EverZinc Company Information
- Table 18: EverZinc Business Overview
- Table 19: EverZinc ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 20: EverZinc ZnO Nanoparticles Product Portfolio
- Table 21: EverZinc Recent Development
- Table 22: HAKUSUI TECH Company Information
- Table 23: HAKUSUI TECH Business Overview
- Table 24: HAKUSUI TECH ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 25: HAKUSUI TECH ZnO Nanoparticles Product Portfolio
- Table 26: HAKUSUI TECH Recent Development
- Table 27: Sakai Chemical Company Information
- Table 28: Sakai Chemical Business Overview
- Table 29: Sakai Chemical ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 30: Sakai Chemical ZnO Nanoparticles Product Portfolio
- Table 31: Sakai Chemical Recent Development
- Table 32: Grillo Company Information
- Table 33: Grillo Business Overview
- Table 34: Grillo ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 35: Grillo ZnO Nanoparticles Product Portfolio
- Table 36: Grillo Recent Development
- Table 37: Tata Chemicals Company Information
- Table 38: Tata Chemicals Business Overview
- Table 39: Tata Chemicals ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 40: Tata Chemicals ZnO Nanoparticles Product Portfolio
- Table 41: Tata Chemicals Recent Development
- Table 42: Nanophase Technology Company Information
- Table 43: Nanophase Technology Business Overview
- Table 44: Nanophase Technology ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 45: Nanophase Technology ZnO Nanoparticles Product Portfolio
- Table 46: Nanophase Technology Recent Development
- Table 47: BYK Company Information
- Table 48: BYK Business Overview
- Table 49: BYK ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 50: BYK ZnO Nanoparticles Product Portfolio

- Table 51: BYK Recent Development
- Table 52: Yuguang Gold & Lead Company Information
- Table 53: Yuguang Gold & Lead Business Overview
- Table 54: Yuguang Gold & Lead ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 55: Yuguang Gold & Lead ZnO Nanoparticles Product Portfolio
- Table 56: Yuguang Gold & Lead Recent Development
- Table 57: Shaanxi Sino-Academy Nano-Material Company Information
- Table 58: Shaanxi Sino-Academy Nano-Material Business Overview
- Table 59: Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 60: Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Product Portfolio
- Table 61: Shaanxi Sino-Academy Nano-Material Recent Development
- Table 62: Shandong Xinya New Material Company Information
- Table 63: Shandong Xinya New Material Business Overview
- Table 64: Shandong Xinya New Material ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 65: Shandong Xinya New Material ZnO Nanoparticles Product Portfolio
- Table 66: Shandong Xinya New Material Recent Development
- Table 67: Jiangxi YUAER Company Information
- Table 68: Jiangxi YUAER Business Overview
- Table 69: Jiangxi YUAER ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 70: Jiangxi YUAER ZnO Nanoparticles Product Portfolio
- Table 71: Jiangxi YUAER Recent Development
- Table 72: Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial Company Information
- Table 73: Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial Business Overview
- Table 74: Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 75: Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial ZnO Nanoparticles Product Portfolio
- Table 76: Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial Recent Development
- Table 77: Jiyuan Lutai Nanomaterials Company Information
- Table 78: Jiyuan Lutai Nanomaterials Business Overview
- Table 79: Jiyuan Lutai Nanomaterials ZnO Nanoparticles Production (K MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2021-2026)
- Table 80: Jiyuan Lutai Nanomaterials ZnO Nanoparticles Product Portfolio
- Table 81: Jiyuan Lutai Nanomaterials Recent Development
- Table 82: Global ZnO Nanoparticles Production Comparison by Region: 2021 VS 2025 VS 2032 (K MT)
- Table 83: Global ZnO Nanoparticles Production by Region (2021-2026) & (K MT)
- Table 84: Global ZnO Nanoparticles Production Market Share by Region (2021-2026)
- Table 85: Global ZnO Nanoparticles Production Forecast by Region (2027-2032) & (K MT)
- Table 86: Global ZnO Nanoparticles Production Market Share Forecast by Region (2027-2032)
- Table 87: Global ZnO Nanoparticles Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 88: Global ZnO Nanoparticles Production Value by Region (2021-2026) & (US\$ Million)
- Table 89: Global ZnO Nanoparticles Production Value Market Share by Region (2021-2026)
- Table 90: Global ZnO Nanoparticles Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 91: Global ZnO Nanoparticles Market Average Price (USD/Kg) by Region (2021-2026)
- Table 92: Global ZnO Nanoparticles Market Average Price (USD/Kg) by Region (2027-2032)
- Table 93: Global ZnO Nanoparticles Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K MT)
- Table 94: Global ZnO Nanoparticles Consumption by Region (2021-2026) & (K MT)
- Table 95: Global ZnO Nanoparticles Consumption Market Share by Region (2021-2026)
- Table 96: Global ZnO Nanoparticles Forecasted Consumption by Region (2027-2032) & (K MT)
- Table 97: Global ZnO Nanoparticles Forecasted Consumption Market Share by Region (2027-2032)
- Table 98: North America ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K MT)
- Table 99: North America ZnO Nanoparticles Consumption by Country (2021-2026) & (K MT)
- Table 100: North America ZnO Nanoparticles Consumption by Country (2027-2032) & (K MT)
- Table 101: Europe ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K MT)
- Table 102: Europe ZnO Nanoparticles Consumption by Country (2021-2026) & (K MT)
- Table 103: Europe ZnO Nanoparticles Consumption by Country (2027-2032) & (K MT)
- Table 104: Asia Pacific ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K MT)
- Table 105: Asia Pacific ZnO Nanoparticles Consumption by Country (2021-2026) & (K MT)
- Table 106: Asia Pacific ZnO Nanoparticles Consumption by Country (2027-2032) & (K MT)
- Table 107: South America, Middle East & Africa ZnO Nanoparticles Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (K MT)
- Table 108: South America, Middle East & Africa ZnO Nanoparticles Consumption by Country (2021-2026) & (K MT)

- Table 109: South America, Middle East & Africa ZnO Nanoparticles Consumption by Country (2027-2032) & (K MT)
- Table 110: Global ZnO Nanoparticles Production by Type (2021-2026) & (K MT)
- Table 111: Global ZnO Nanoparticles Production by Type (2027-2032) & (K MT)
- Table 112: Global ZnO Nanoparticles Production Market Share by Type (2021-2026)
- Table 113: Global ZnO Nanoparticles Production Market Share by Type (2027-2032)
- Table 114: Global ZnO Nanoparticles Production Value by Type (2021-2026) & (US\$ Million)
- Table 115: Global ZnO Nanoparticles Production Value by Type (2027-2032) & (US\$ Million)
- Table 116: Global ZnO Nanoparticles Production Value Market Share by Type (2021-2026)
- Table 117: Global ZnO Nanoparticles Production Value Market Share by Type (2027-2032)
- Table 118: Global ZnO Nanoparticles Price by Type (2021-2026) & (USD/Kg)
- Table 119: Global ZnO Nanoparticles Price by Type (2027-2032) & (USD/Kg)
- Table 120: Global ZnO Nanoparticles Production by Application (2021-2026) & (K MT)
- Table 121: Global ZnO Nanoparticles Production by Application (2027-2032) & (K MT)
- Table 122: Global ZnO Nanoparticles Production Market Share by Application (2021-2026)
- Table 123: Global ZnO Nanoparticles Production Market Share by Application (2027-2032)
- Table 124: Global ZnO Nanoparticles Production Value by Application (2021-2026) & (US\$ Million)
- Table 125: Global ZnO Nanoparticles Production Value by Application (2027-2032) & (US\$ Million)
- Table 126: Global ZnO Nanoparticles Production Value Market Share by Application (2021-2026)
- Table 127: Global ZnO Nanoparticles Production Value Market Share by Application (2027-2032)
- Table 128: Global ZnO Nanoparticles Price by Application (2021-2026) & (USD/Kg)
- Table 129: Global ZnO Nanoparticles Price by Application (2027-2032) & (USD/Kg)
- Table 130: Key Raw Materials
- Table 131: Raw Materials Key Suppliers
- Table 132: ZnO Nanoparticles Distributors List
- Table 133: ZnO Nanoparticles Customers List
- Table 134: ZnO Nanoparticles Industry Trends
- Table 135: ZnO Nanoparticles Industry Drivers
- Table 136: ZnO Nanoparticles Industry Restraints
- Table 137: Authors List of This Report

#### List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: ZnO Nanoparticles Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Particle Size <40nm Product Image
- Figure 7: Particle Size 40-60nm Product Image
- Figure 8: Particle Size >60nm Product Image
- Figure 9: Rubber Product Image
- Figure 10: Cosmetic Product Image
- Figure 11: Coating Product Image
- Figure 12: Textile Product Image
- Figure 13: Others Product Image
- Figure 14: Global ZnO Nanoparticles Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 15: Global ZnO Nanoparticles Production Value (2021-2032) & (US\$ Million)
- Figure 16: Global ZnO Nanoparticles Production Capacity (2021-2032) & (K MT)
- Figure 17: Global ZnO Nanoparticles Production (2021-2032) & (K MT)
- Figure 18: Global ZnO Nanoparticles Average Price (USD/Kg) & (2021-2032)
- Figure 19: Global ZnO Nanoparticles Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 20: Global Top 5 and 10 ZnO Nanoparticles Players Market Share by Production Value in 2025
- Figure 21: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 22: Global ZnO Nanoparticles Production Comparison by Region: 2021 VS 2025 VS 2032 (K MT)
- Figure 23: Global ZnO Nanoparticles Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 24: Global ZnO Nanoparticles Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 25: Global ZnO Nanoparticles Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 26: North America ZnO Nanoparticles Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 27: Europe ZnO Nanoparticles Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: China ZnO Nanoparticles Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 29: Japan ZnO Nanoparticles Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 30: Global ZnO Nanoparticles Consumption Comparison by Region: 2021 VS 2025 VS 2032 (K MT)
- Figure 31: Global ZnO Nanoparticles Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 32: North America ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)

- Figure 33: North America ZnO Nanoparticles Consumption Market Share by Country (2021-2032)
- Figure 34: United States ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 35: United States ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 36: Canada ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 37: Mexico ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 38: Europe ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 39: Europe ZnO Nanoparticles Consumption Market Share by Country (2021-2032)
- Figure 40: Germany ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 41: France ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 42: U.K. ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 43: Italy ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 44: Russia ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 45: Spain ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 46: Netherlands ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 47: Switzerland ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 48: Sweden ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 49: Poland ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 50: Asia Pacific ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 51: Asia Pacific ZnO Nanoparticles Consumption Market Share by Country (2021-2032)
- Figure 52: China ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 53: Japan ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 54: South Korea ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 55: India ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 56: Australia ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 57: Taiwan ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 58: Southeast Asia ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 59: South America, Middle East & Africa ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 60: South America, Middle East & Africa ZnO Nanoparticles Consumption Market Share by Country (2021-2032)
- Figure 61: Brazil ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 62: Argentina ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 63: Chile ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 64: Turkey ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 65: GCC Countries ZnO Nanoparticles Consumption and Growth Rate (2021-2032) & (K MT)
- Figure 66: Global ZnO Nanoparticles Production Market Share by Type (2021-2032)
- Figure 67: Global ZnO Nanoparticles Production Value Market Share by Type (2021-2032)
- Figure 68: Global ZnO Nanoparticles Price (USD/Kg) by Type (2021-2032)
- Figure 69: Global ZnO Nanoparticles Production Market Share by Application (2021-2032)
- Figure 70: Global ZnO Nanoparticles Production Value Market Share by Application (2021-2032)
- Figure 71: Global ZnO Nanoparticles Price (USD/Kg) by Application (2021-2032)
- Figure 72: ZnO Nanoparticles Value Chain
- Figure 73: ZnO Nanoparticles Production Mode & Process
- Figure 74: Direct Comparison with Distribution Share
- Figure 75: Distributors Profiles
- Figure 76: ZnO Nanoparticles Industry Opportunities and Challenges