

# **Cerium Market Forecasts to 2032 – Global Analysis By Type (Cerium Oxide, Cerium Metal, Cerium Fluoride, Cerium Nitrate, Cerium Hydrate and Other Types), Form, Application, End User and By Geography**

<https://marketpublishers.com/r/C991B55D6D53EN.html>

Date: August 2025

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: C991B55D6D53EN

## **Abstracts**

According to Statistics MRC, the Global Cerium Market is accounted for \$153.8 million in 2025 and is expected to reach \$246.9 million by 2032 growing at a CAGR of 7% during the forecast period. Cerium is a rare earth metal often used as a catalyst, polishing agent, and in glass and ceramics manufacturing. It improves the durability and quality of products by enhancing resistance to scratches, corrosion, and discoloration. In automotive and glass industries, cerium oxide is a widely used abrasive for polishing windshields and optical lenses. Its unique chemical properties also make it valuable in catalytic converters and in producing UV-absorbing coatings.

Market Dynamics:

Driver:

Increasing demand in glass polishing

Increasing demand in glass polishing is a major driver for the cerium market, particularly in high-precision optical and display applications. Cerium oxide is widely used for polishing glass surfaces in electronics, automotive windshields, and optical lenses due to its superior abrasion resistance and smooth finish quality. The expansion of consumer electronics and architectural glass industries is further fueling demand. With rising adoption of advanced display technologies and automotive safety glass, the glass polishing segment continues to sustain strong cerium consumption.

### Restraint:

#### Limited rare earth mining output

Limited rare earth mining output acts as a key restraint for the cerium market, as the supply chain is heavily dependent on a small number of mining regions. Extraction complexities, environmental concerns, and geopolitical restrictions often limit production volumes, creating supply volatility. This scarcity can lead to price fluctuations, impacting downstream industries reliant on stable cerium availability. Additionally, the concentration of mining in specific countries heightens supply risk, making end-users vulnerable to trade disputes and export control policies.

### Opportunity:

#### Growing demand in renewable energy

Growing demand in renewable energy applications offers a promising opportunity for the cerium market. Cerium-based materials are increasingly utilized in catalytic converters for clean energy vehicles, solid oxide fuel cells, and solar panel manufacturing. The transition toward low-carbon technologies and government incentives for renewable infrastructure projects are boosting cerium's strategic value. As clean energy systems require high-performance materials for efficiency and durability, cerium's role in enabling advanced energy solutions is set to expand significantly over the forecast period.

### Threat:

#### Substitution by alternative materials

Substitution by alternative materials presents a notable threat to cerium's long-term market potential. In certain applications, advancements in synthetic abrasives, alumina-based polishing agents, or non-rare-earth catalysts are reducing reliance on cerium. Cost-effective and more readily available substitutes appeal to industries seeking to mitigate raw material price volatility. Furthermore, ongoing R&D in nanomaterials and alternative compounds could accelerate the adoption of replacements, especially in sectors where performance differences are marginal and cost savings are a critical purchasing factor.

### Covid-19 Impact:

The COVID-19 pandemic initially disrupted the cerium market through mining shutdowns, reduced manufacturing activity, and global trade restrictions. However, as industries recovered, demand rebounded strongly in electronics, automotive, and renewable energy sectors. The surge in consumer electronics sales, coupled with infrastructure investments, revived glass polishing and catalytic applications. While short-term supply chain challenges persisted, the post-pandemic environment emphasized the importance of resilient raw material sourcing, prompting manufacturers to diversify supply bases and explore recycling initiatives for rare earth elements.

The cerium oxide segment is expected to be the largest during the forecast period

The cerium oxide segment is expected to account for the largest market share during the forecast period, propelled by its extensive use in glass polishing, catalytic converters, and UV filtration. Known for its high chemical stability and polishing efficiency, cerium oxide is a preferred choice in industries ranging from electronics to automotive manufacturing. The material's versatility, coupled with advancements in refining techniques, ensures strong demand across multiple sectors, securing its dominant position in the overall cerium market.

The dispersion segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the dispersion segment is predicted to witness the highest growth rate, influenced by its rising application in precision optics, semiconductor manufacturing, and advanced coating solutions. Cerium dispersions offer improved handling, uniform particle distribution, and compatibility with automated polishing systems, making them ideal for high-tech manufacturing environments. Growing demand for ultra-smooth surfaces in electronics and solar panels is further accelerating adoption, positioning dispersions as a critical growth driver within the global cerium product portfolio.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, fuelled by its dominance in electronics manufacturing, automotive production, and glass industries. Countries such as China, Japan, and South Korea are major consumers of cerium due to their advanced manufacturing bases and strong export markets. Additionally, significant rare earth mining activity in China supports regional

supply availability, while expanding renewable energy projects further bolster demand for cerium-based materials in industrial applications.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by expanding renewable energy initiatives, technological advancements, and the growth of high-precision manufacturing sectors. Increased investments in solar power infrastructure, electric vehicle production, and advanced glass processing are creating strong demand for cerium-based products. Furthermore, strategic efforts to develop domestic rare earth mining and recycling capabilities are expected to enhance supply security, supporting sustained market growth in the region.

Key players in the market

Some of the key players in Cerium Market include Sichuan Shenghe Resources, Fujian Xingmin, Nexter, Japan New Metals, IMERYS, China Southern Rare Earth, Ganzhou Yinfu Zinc Industry, Myanmar New Star, China North Rare Earth, Molycorp, Glass Resources, Shandong Zibo Yongxin Mining, Baita Mining, Quantum Materials, Materion Corp, and Tanbreez Mining.

Key Developments:

In July 2025, China Southern Rare Earth announced a strategic partnership with Tesla to supply cerium-rich rare earth alloys for next-gen EV battery coatings.

In April 2025, Shenghe Resources announced that its U.S. affiliate, MP Materials, had halted shipments of rare earth minerals for processing due to ongoing tariff impacts from the prior U.S. administration.

Types Covered:

Cerium Oxide

Cerium Metal

Cerium Fluoride

Cerium Nitrate

Cerium Hydrate

Other Types

Forms Covered:

Dispersion

Powder

Granules

Applications Covered:

Glass

Catalysts

Alloys

Pigments & Coatings

Other Applications

End Users Covered:

Automotive & Transportation

Lighting

Chemical & Pharmaceutical

Electronics

Aerospace

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

## Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL CERIUM MARKET, BY TYPE**

- 5.1 Introduction
- 5.2 Cerium Oxide
- 5.3 Cerium Metal
- 5.4 Cerium Fluoride
- 5.5 Cerium Nitrate
- 5.6 Cerium Hydrate
- 5.7 Other Types

## **6 GLOBAL CERIUM MARKET, BY FORM**

- 6.1 Introduction
- 6.2 Dispersion
- 6.3 Powder
- 6.4 Granules

## **7 GLOBAL CERIUM MARKET, BY APPLICATION**

- 7.1 Introduction
- 7.2 Glass
- 7.3 Catalysts
- 7.4 Alloys
- 7.5 Pigments & Coatings
- 7.6 Other Applications

## **8 GLOBAL CERIUM MARKET, BY END USER**

- 8.1 Introduction
- 8.2 Automotive & Transportation
- 8.3 Lighting
- 8.4 Chemical & Pharmaceutical
- 8.5 Electronics
- 8.6 Aerospace
- 8.7 Other End Users

## **9 GLOBAL CERIUM MARKET, BY GEOGRAPHY**

- 9.1 Introduction

## 9.2 North America

9.2.1 US

9.2.2 Canada

9.2.3 Mexico

## 9.3 Europe

9.3.1 Germany

9.3.2 UK

9.3.3 Italy

9.3.4 France

9.3.5 Spain

9.3.6 Rest of Europe

## 9.4 Asia Pacific

9.4.1 Japan

9.4.2 China

9.4.3 India

9.4.4 Australia

9.4.5 New Zealand

9.4.6 South Korea

9.4.7 Rest of Asia Pacific

## 9.5 South America

9.5.1 Argentina

9.5.2 Brazil

9.5.3 Chile

9.5.4 Rest of South America

## 9.6 Middle East & Africa

9.6.1 Saudi Arabia

9.6.2 UAE

9.6.3 Qatar

9.6.4 South Africa

9.6.5 Rest of Middle East & Africa

## 10 KEY DEVELOPMENTS

10.1 Agreements, Partnerships, Collaborations and Joint Ventures

10.2 Acquisitions & Mergers

10.3 New Product Launch

10.4 Expansions

10.5 Other Key Strategies

## 11 COMPANY PROFILING

- 11.1 Sichuan Shenghe Resources
- 11.2 Fujian Xingmin
- 11.3 Nexter
- 11.4 Japan New Metals
- 11.5 IMERYS
- 11.6 China Southern Rare Earth
- 11.7 Ganzhou Yinfu Zinc Industry
- 11.8 Myanmar New Star
- 11.9 China North Rare Earth
- 11.10 Molycorp
- 11.11 Glass Resources
- 11.12 Shandong Zibo Yongxin Mining
- 11.13 Baita Mining
- 11.14 Quantum Materials
- 11.15 Materion Corp
- 11.16 Tanbreez Mining

## List Of Tables

### LIST OF TABLES

- Table 1 Global Cerium Market Outlook, By Region (2024-2032) (\$MN)
- Table 2 Global Cerium Market Outlook, By Region Type (2024-2032) (\$MN)
- Table 3 Global Cerium Market Outlook, By Region Cerium Oxide (2024-2032) (\$MN)
- Table 4 Global Cerium Market Outlook, By Region Cerium Metal (2024-2032) (\$MN)
- Table 5 Global Cerium Market Outlook, By Region Cerium Fluoride (2024-2032) (\$MN)
- Table 6 Global Cerium Market Outlook, By Region Cerium Nitrate (2024-2032) (\$MN)
- Table 7 Global Cerium Market Outlook, By Region Cerium Hydrate (2024-2032) (\$MN)
- Table 8 Global Cerium Market Outlook, By Region Other Types (2024-2032) (\$MN)
- Table 9 Global Cerium Market Outlook, By Region Form (2024-2032) (\$MN)
- Table 10 Global Cerium Market Outlook, By Region Dispersion (2024-2032) (\$MN)
- Table 11 Global Cerium Market Outlook, By Region Powder (2024-2032) (\$MN)
- Table 12 Global Cerium Market Outlook, By Region Granules (2024-2032) (\$MN)
- Table 13 Global Cerium Market Outlook, By Region Application (2024-2032) (\$MN)
- Table 14 Global Cerium Market Outlook, By Region Glass (2024-2032) (\$MN)
- Table 15 Global Cerium Market Outlook, By Region Catalysts (2024-2032) (\$MN)
- Table 16 Global Cerium Market Outlook, By Region Alloys (2024-2032) (\$MN)
- Table 17 Global Cerium Market Outlook, By Region Pigments & Coatings (2024-2032) (\$MN)
- Table 18 Global Cerium Market Outlook, By Region Other Applications (2024-2032) (\$MN)
- Table 19 Global Cerium Market Outlook, By Region End User (2024-2032) (\$MN)
- Table 20 Global Cerium Market Outlook, By Region Automotive & Transportation (2024-2032) (\$MN)
- Table 21 Global Cerium Market Outlook, By Region Lighting (2024-2032) (\$MN)
- Table 22 Global Cerium Market Outlook, By Region Chemical & Pharmaceutical (2024-2032) (\$MN)
- Table 23 Global Cerium Market Outlook, By Region Electronics (2024-2032) (\$MN)
- Table 24 Global Cerium Market Outlook, By Region Aerospace (2024-2032) (\$MN)
- Table 25 Global Cerium Market Outlook, By Region Other End Users (2024-2032) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

## I would like to order

Product name: Cerium Market Forecasts to 2032 – Global Analysis By Type (Cerium Oxide, Cerium Metal, Cerium Fluoride, Cerium Nitrate, Cerium Hydrate and Other Types), Form, Application, End User and By Geography

Product link: <https://marketpublishers.com/r/C991B55D6D53EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C991B55D6D53EN.html>