

Global Rare Earth Metals Market Size Study, by Type (Cerium Oxide, Lanthanum Oxide, Neodymium Oxide, Yttrium Oxide, Europium Oxide), Application (Permanent Magnets, Metal Alloys, Glass Polishing, Glass Additives, Phosphors, Catalysts), and Regional Forecasts 2022-2032

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Abstracts

The Global Rare Earth Metals Market, valued at approximately USD 5.33 billion in 2023, is forecasted to witness substantial growth at a compound annual growth rate (CAGR) of 12.60% over the projection period from 2024 to 2032. Rare earth metals, known for their unparalleled magnetic, optical, and catalytic properties, are critical in a variety of industrial and technological applications, including renewable energy systems, advanced electronics, and critical defense systems.

Growing adoption of rare earth-based magnets in wind turbines and electric vehicles is significantly driving the market. Neodymium and dysprosium-based magnets are integral to energy-efficient solutions, while europium and yttrium oxides are indispensable in phosphors for LED lighting and display technologies. Meanwhile, advancements in material science are unlocking innovative uses of rare earth elements, making them integral to high-tech and sustainable solutions. However, the limited global production capabilities, coupled with geopolitical concerns surrounding resource availability, could pose challenges for market expansion.

Regionally, Asia-Pacific dominates the market, with China leading the charge due to its significant resource reserves and advanced refining technologies. North America follows suit, driven by increased investments in rare earth mining and processing to mitigate dependency on imports. Europe is showcasing robust growth, fueled by its

emphasis on sustainable energy and strategic autonomy in critical materials. Additionally, regions like Latin America and the Middle East & Africa are emerging as potential growth hubs due to their untapped reserves and rising industrial activities.

Major market players included in this report are:

Lynas Rare Earths Ltd.

China Northern Rare Earth Group

MP Materials Corp.

Iluka Resources Limited

Arafura Rare Earths Limited

Alkane Resources Ltd.

Avalon Advanced Materials Inc.

Rainbow Rare Earths Limited

Greenland Minerals Limited

Neo Performance Materials

Texas Mineral Resources Corp.

Ucore Rare Metals Inc.

Indian Rare Earths Limited (IREL)

Vital Metals Limited

Rare Element Resources Ltd.

The detailed segments and sub-segments of the market are explained below:

By Type:

Cerium Oxide

Lanthanum Oxide

Neodymium Oxide

Yttrium Oxide

Europium Oxide

By Application:

Permanent Magnets

Metal Alloys

Glass Polishing

Glass Additives

Phosphors

Catalysts

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Comprehensive market forecasts and insights for a 10-year period.

Regional and country-specific analysis focusing on growth opportunities.

Detailed profiles of major players, including their strategies and market position.

Actionable recommendations for stakeholders to capitalize on growth opportunities.

An in-depth analysis of market drivers, challenges, and potential opportunities.

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