



Freedonia Focus Reports
World Collection

World Rare Earths

November 2015



Highlights

World Overview and Forecasts
Demand by Product | Demand by Market

Regional Trends and Forecasts
Regional Demand Overview | North America | Western Europe | Asia/Pacific
Other Regions

Industry Structure
Industry Composition and Characteristics | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts total world demand in 2019 for rare earths by product, market, and major world region in metric tons. Product segments include:

- cerium
- lanthanum
- neodymium
- other products such as praseodymium, yttrium, and dysprosium.

Although rare earths are typically sold in varying combinations of elements, oxides, and metals, demand statistics in this report are displayed in terms of individual rare earth oxides and oxide equivalents for purposes of clarity, consistency, and comparability.

Reported markets encompass:

- permanent magnets
- glass, polishing, and ceramics
- fluid cracking catalysts
- metal processing
- battery alloys
- other markets such as autocatalysts, phosphors, and agricultural chemicals.

Major world regions include:

- North America
- Western Europe
- Asia/Pacific
- all other regions.

Demand by product segment is also forecast for each major world region.

To illustrate historical trends world, product, market, and regional demand (including product segments) are provided for 2009 and 2014. Further, regional demand is segmented by market for 2014.

This report quantifies trends in terms of compound annual growth rates (CAGRs), which, by definition, employ in their calculation only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the trend beginning in the base year and ending in the forecast year. Forecasts are developed via the identification and analysis of pertinent statistical relationships and other historical trends and events, as well as their expected impact over the forecast period. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

Sources

World Rare Earths (FW65030) is based on [a comprehensive industry study](#) published by The Freedonia Group in November 2015. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other industry studies by The Freedonia Group.

Specific sources and additional resources are listed in the [Resources](#) section of this publication for reference and to facilitate further research.

Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
212299	All Other Metal Ore Mining	1061	Ferroalloy Ores, Except Vanadium
325188	All Other Basic Inorganic Chemical Mfg	2819	Industrial Inorganic Chemicals, NEC

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RESOURCES

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3349 *World Rare Earths*, November 2015

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Related Industry Studies

3328 *World Magnets*, October 2015

[see study contents](#)

3331 *World Lithium*, September 2015

[see study contents](#)

3309 *World Batteries*, July 2015

[see study contents](#)

3306 *World Tungsten*, July 2015

[see study contents](#)

3274 *World Copper*, April 2015

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3217 *World Catalysts*, December 2014

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Trade Publications

American Metal Market (USA)

www.amm.com

Glass & Glazing Products (UK)

www.ggpmag.com

Glass Magazine (USA)

www.glassmagazine.com

IHS Chemical Week (USA)

www.chemweek.com

Industrial Minerals (UK)

www.indmin.com

Magnetics Business & Technology (USA)

www.magneticsmagazine.com

Agencies & Associations

International Monetary Fund

www.imf.org

Japan Society of Newer Metals

www.jsnm.or.jp

Organisation for Economic Co-operation and Development

www.oecd.org

Rare: The Association for Rare Earth

www.rareearthassociation.org

Rare Earth Technology Alliance

www.rareearthtechalliance.com

World Bank

www.worldbank.org

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