

# Global Refractory Metals Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Refractory Metals market size was valued at USD 1413.8 million in 2023 and is forecast to a readjusted size of USD 1625.1 million by 2030 with a CAGR of 2.0% during review period.

Refractory metals have one characteristic in common: an exceptionally high melting point. Tungsten, for example, melts at 3410oC (6170oF), which is more than double that of iron and ten times that of lead. As a group, they are found in one section of the periodic table of elements. Although there are twelve refractory metals, only five are widely used: Tungsten, Molybdenum, Niobium, Tantalum and Rhenium. All but Rhenium have a body-centered cubic structure. Despite the fact that refractory metals have many similar qualities-such as high density, resistance to wear and corrosion-each metal is different in its own way, providing each with its own individual combination of qualities. Many of these individual qualities are rather unique, such as an ability to combine with gases and then release them under heat. Alloys containing varying amounts of refractory metals are vital to virtually every major industry, including automotive, mining, aerospace, chemical and petroleum processing, electrical and electronics, medical electronics and prosthetics, metal processing, nuclear technology and ordnance.

Global Refractory Metals key players include Xiamen Tungsten, CMOC, Molymet, H.C. Starck, A.L.M.T., etc. China is the largest market, with a share about 40%, followed by North America, with a share about 30 percent. In terms of product, Molybdenum Meta is the largest segment, with a share about 50%. And in terms of application, the largest application is Steel Industry, followed by Electronics and Electrical Industry, Carbide Tools and Wear Parts, and Aerospace.

The Global Info Research report includes an overview of the development of the Refractory Metals industry chain, the market status of Steel Industry (Molybdenum Metal, Tungsten Metal), Electronics and Electrical Industry (Molybdenum Metal, Tungsten Metal), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Refractory Metals.

Regionally, the report analyzes the Refractory Metals markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Refractory Metals market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Refractory Metals market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Refractory Metals industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (MT), revenue generated, and market share of different by Type (e.g., Molybdenum Metal, Tungsten Metal).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Refractory Metals market.

**Regional Analysis:** The report involves examining the Refractory Metals market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Refractory Metals market. This may include estimating

market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Refractory Metals:

**Company Analysis:** Report covers individual Refractory Metals manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Refractory Metals. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Steel Industry, Electronics and Electrical Industry).

**Technology Analysis:** Report covers specific technologies relevant to Refractory Metals. It assesses the current state, advancements, and potential future developments in Refractory Metals areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Refractory Metals market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Refractory Metals market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Molybdenum Metal

Tungsten Metal

Niobium Metal

Tantalum Metal

Rhenium Metal

#### Market segment by Application

Steel Industry

Electronics and Electrical Industry

Carbide Tools and Wear Parts

Aerospace

Others

#### Major players covered

Xiamen Tungsten

CMOC

Molymet

H.C. Starck

A.L.M.T.

Global Tungsten & Powders

CBMM

Codelco

JDC

Rising Rare Metals EO-Materials

WOLFRAM JSC

Treibacher Industrie

Climax Molybdenum

Global Advanced Metals

Ningxia Orient Tantalum Industry

Rhenium Alloys

ATI

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 Refractory Metals product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Refractory Metals, with price, sales, revenue and global market share of Refractory Metals from 2019 to 2024.

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

Chapter 4, the Refractory Metals breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Refractory Metals market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Refractory Metals.

Chapter 14 and 15, to describe Refractory Metals sales channel, distributors, customers, research findings and conclusion.

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