

# Global Vanadium Pentoxide Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Vanadium Pentoxide market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

Vanadium pentoxide, the IUPAC name is vanadium (V) oxide, is the oxide of vanadium (V), and its chemical formula is  $V_2O_5$ . It is a toxic orange-yellow solid, slightly soluble in water, and decomposes when heated by losing oxygen. It can be used as a catalyst in the chemical industry. The most important thing is to catalyze the one-step conversion of sulfur dioxide into sulfur trioxide in the sulfuric acid industry. Vanadium (+5) in vanadium pentoxide is the highest oxidation state and has amphoteric and oxidizing properties.

In recent years, with the development of the steel industry, the market demand for vanadium pentoxide has continued to rise. In 2021, the apparent consumption of vanadium pentoxide in my country will reach 136,000 tons. The output of vanadium pentoxide is related to vanadium ore. my country is rich in vanadium ore resources. According to USGS data, in 2021, the output of China's vanadium ore industry will be 73,000 tons, accounting for 66.4% of the world's total output, ranking first in the world. In 2020, due to the impact of the new crown epidemic, international steel production will be greatly impacted, and the international demand for vanadium pentoxide will decline. In order to expand the market, overseas companies will actively deploy the domestic market. The volume is higher than the export volume. But on the whole, except for 2020, my country's vanadium pentoxide import and export market has been in a state of trade surplus for a long time. According to the data from the General Administration of Customs, from January to June 2022, my country's vanadium pentoxide export volume

is 2503.3 tons , the import volume was 120.2 tons.

The Global Info Research report includes an overview of the development of the Vanadium Pentoxide industry chain, the market status of Metallurgy (Alum Slag Production Process, Waste Vanadium Catalyst Production Process), Chemical Industry (Alum Slag Production Process, Waste Vanadium Catalyst Production Process), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Vanadium Pentoxide.

Regionally, the report analyzes the Vanadium Pentoxide 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 Vanadium Pentoxide market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Vanadium Pentoxide 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 Vanadium Pentoxide 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 (Tons), revenue generated, and market share of different by Type (e.g., Alum Slag Production Process, Waste Vanadium Catalyst Production Process).

**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 Vanadium Pentoxide market.

**Regional Analysis:** The report involves examining the Vanadium Pentoxide 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 Vanadium Pentoxide market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Vanadium Pentoxide:

**Company Analysis:** Report covers individual Vanadium Pentoxide 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 Vanadium Pentoxide. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Metallurgy, Chemical Industry).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Vanadium Pentoxide 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

Vanadium Pentoxide market is split by Type and by Application. For the period 2018-2029, 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

### Alum Slag Production Process

Waste Vanadium Catalyst Production Process

Stone Coal Production Technology

#### Market segment by Application

Metallurgy

Chemical Industry

Aerospace

#### Major players covered

LB Group Co., Ltd.

Changsha Yaguang Economic and Trade Co., Ltd.

LCR

Dalian Langde Metal Material Co., Ltd.

Chengde Iron and Steel Group Co., Ltd.

Panzhuhua Iron and Steel Group Co., Ltd.

Kunming Iron and Steel Holdings Co., Ltd.

Shenyang Huarui Vanadium Industry Co., Ltd.

Hunan Xinhongda Vanadium Industry Co., Ltd.

Dalian Yinhe Metal Materials Co., Ltd.

Panzhuhua Hongshan Vanadium Products Co., Ltd.

Panzhuhua Jinli Vanadium Titanium Co., Ltd.

Chenxi County Chuanxi Township Wanfa Vanadium Industry Co., Ltd.

Agnew clough Ltd.

TransGlobal Holding Co.

Cri-Met

ABC Bullion

Rautaruukki Oyi

Carbovan

Vadnore Enterprises

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 Vanadium Pentoxide product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vanadium Pentoxide, with price, sales, revenue and global market share of Vanadium Pentoxide from 2018 to 2023.

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

Chapter 4, the Vanadium Pentoxide breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and Vanadium Pentoxide market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 Vanadium Pentoxide.

Chapter 14 and 15, to describe Vanadium Pentoxide sales channel, distributors, customers, research findings and conclusion.

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