

Global Vanadium Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Vanadium market size is expected to reach \$ 7076.1 million by 2029, rising at a market growth of 6.7% CAGR during the forecast period (2023-2029).

Global 5 largest manufacturers of Vanadium (CAS 7440-62-2) are Pangang Group Vanadium and Titanium Resources Co.,Ltd., Evraz, Hesteel Group, Beijing Jianlong Heavy Industry Group Co., Ltd. And Treibacher Industrie, which make up nearly 50%. Most of the top manufacturers headquarter in China and Europe.

Asia is the largest market, holding a share over 70%, followed by North America and Europe, with share 10% and 15% separately.

Vanadium products are divided into primary products, secondary products and tertiary products. The products are mainly used in steel industry, with a market share over 85%.

Vanadium (CAS 7440-62-2) is a silver-gray metal, hard, non-magnetic, and ductile, but if it contains a small amount of impurities, especially nitrogen, oxygen, hydrogen, etc., its plasticity can be significantly reduced.

Most vanadium processors initially produce technical grade vanadium oxide, which is a major intermediate product. Vanadium oxide refers to the oxide and mixed phase formed by the combination of vanadium and oxygen. Vanadium oxide products mainly include vanadium trioxide and vanadium pentoxide, of which vanadium trioxide is mainly used to prepare vanadium alloys, and vanadium pentoxide can be used to prepare vanadium alloys and vanadium batteries according to its preparation method, purity and physical properties Electrolyte, catalyst and chemical raw materials, etc. Vanadium pentoxide accounts for the largest proportion.

It is then made into ferro-vanadium, vanadium alloys and vanadium chemicals. Among them, ferrovanadium 80 is the final product with the largest proportion.

To sum up, vanadium products are divided into primary products, secondary products and tertiary products.

Primary products include vanadium-bearing minerals, ore concentrates, vanadium slag, spent petroleum refining spent catalysts, spent catalysts and other residues.

Secondary products include vanadium pentoxide, which can also be a useful industrial product, namely catalysts for the production of sulfuric acid and catalysts for petroleum refining.

The tertiary products include ferro-vanadium, vanadium-aluminum alloy, molybdenum-vanadium-aluminum alloy, silicon-manganese-vanadium-ferroalloy and vanadium compounds, among which ferro-vanadium is the most important vanadium material.

The data in this report have been converted into V₂O₅ as the statistical standard.

This report studies the global Vanadium production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Vanadium, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Vanadium that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Vanadium total production and demand, 2018-2029, (Tons)

Global Vanadium total production value, 2018-2029, (USD Million)

Global Vanadium production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Vanadium consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Vanadium domestic production, consumption, key domestic manufacturers and share

Global Vanadium production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Vanadium production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Vanadium production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Vanadium market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Pangang Group Vanadium and Titanium Resources Co.,Ltd., Evraz, Hesteel Group, Beijing Jianlong Heavy Industry Group Co., Ltd., Treibacher Industrie, Glencore, Chengyu Vanadium & Titanium Technology Co., Ltd., Desheng Group and Largo Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Vanadium market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Vanadium Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Vanadium Market, Segmentation by Type

Vanadium Titanium Magnetite

Vanadium-containing Secondary Resource

Vanadium Slag

Global Vanadium Market, Segmentation by Application

Steel Industry

Chemical Industry

Vanadium Alloys

Energy Storage

Companies Profiled:

Pangang Group Vanadium and Titanium Resources Co.,Ltd.

Evraz

Hesteel Group

Beijing Jianlong Heavy Industry Group Co., Ltd.

Treibacher Industrie

Glencore

Chengyu Vanadium & Titanium Technology Co., Ltd.

Desheng Group

Largo Inc.

Bushveld Minerals

Da Steel

U.S. Vanadium

Shaanxi Youser

Key Questions Answered

1. How big is the global Vanadium market?
2. What is the demand of the global Vanadium market?
3. What is the year over year growth of the global Vanadium market?
4. What is the production and production value of the global Vanadium market?
5. Who are the key producers in the global Vanadium market?
6. What are the growth factors driving the market demand?

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