

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

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Abstracts

Vanadium dioxide is an oxide with the molecular formula of VO_2 and molecular weight of 82.94. It is dark blue crystal powder with monoclinic structure. It is insoluble in water and soluble in acid and alkali. When it is dissolved in acid, it cannot generate tetravalent ions, but generates positive bivalent vanadium oxide ions. When heated to red heat in the dry hydrogen gas stream, it is reduced to vanadium trioxide, or oxidized by air or nitric acid to produce vanadium pentoxide, which is dissolved in alkali to generate vanadate. It can be prepared by reducing vanadium pentoxide with carbon, carbon monoxide or oxalic acid.

According to our (Global Info Research) latest study, the global Vanadium Dioxide 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. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Vanadium Dioxide market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Vanadium Dioxide market size and forecasts, in consumption value (\$ Million),

sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Vanadium Dioxide market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Vanadium Dioxide market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Vanadium Dioxide market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Vanadium Dioxide

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Vanadium Dioxide 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 US Vanadium, American Elements, All India Metal Corporation, Forbes Pharmaceuticals and Nanochemazone, etc.

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

Market Segmentation

Vanadium Dioxide 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- (2N) 99% Vanadium Dioxide
- (3N) 99.9% Vanadium Dioxide
- (4N) 99.99% Vanadium Dioxide
- (5N) 99.999% Vanadium Dioxide

Market segment by Application

- Infrared Acquisition
- Gas Sensor
- Field Effect Device
- Others

Major players covered

- US Vanadium
- American Elements
- All India Metal Corporation
- Forbes Pharmaceuticals
- Nanochemazone
- Lorad Chemical Corporation
- GfE
- Alfa Chemistry

Pangang Group Vanadium Titanium&Resources Co.,Ltd

Chengde Xinxin Vanadium and Titanium Co., Ltd

Sichuan Desheng Group Vanadium and Titanium Co., Ltd

Beijing Jianlong Heavy Industry Group Co., Ltd

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 Dioxide product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Vanadium Dioxide 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 Dioxide market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Vanadium Dioxide.

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

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