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Global VGO Hydrotreating Catalysts Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global VGO Hydrotreating Catalysts market size was valued at US$ 422 million in 2025 and is forecast to a readjusted size of US$ 548 million by 2032 with a CAGR of 3.8% during review period.

VGO Hydrotreating Catalysts are refining catalysts used in the hydrotreating of heavy fractions such as vacuum gas oil (VGO), coker gas oil, and deasphalted oil. Operating under conditions of high temperature, high pressure, and hydrogen presence, they primarily remove sulfur, nitrogen, metals, and certain coke precursors, while partially saturating aromatics, thereby improving the feedstock quality for downstream catalytic cracking or hydrocracking units. Key upstream raw materials include alumina supports, pseudoboehmite, ammonium molybdate, molybdenum oxide, nickel/cobalt/tungsten salts, extrusion aids, binders, pore structure modifiers, and shaping additives. The alumina support determines properties such as specific surface area, pore volume, pore size distribution, and mechanical strength, serving as the foundation that influences the diffusion of heavy VGO molecules and metal deposition capacity. Active metal systems?such as Ni-Mo, Co-Mo, and Ni-W?determine performance regarding desulfurization, denitrogenation, aromatic saturation, and hydrogen consumption; meanwhile, additives and pore structure designs are employed to balance activity, stability, and resistance to coking and metal contamination. Midstream activities encompass catalyst formulation design, impregnation, extrusion molding, drying, calcination, activation, and loading/grading design. Downstream applications primarily serve VGO hydrotreating, FCC feedstock pretreatment, and hydrocracking pretreatment units at oil refineries.

In 2025, global sales volume is approximately 27,500 metric tons, with a prevailing ex-

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factory price of around $14.9/kg; major manufacturers in the industry report gross margins of approximately 30%?50%.

This report is a detailed and comprehensive analysis for global VGO Hydrotreating Catalysts 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 2025, are provided.

Key Features:

Global VGO Hydrotreating Catalysts market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global VGO Hydrotreating Catalysts market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global VGO Hydrotreating Catalysts market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global VGO Hydrotreating Catalysts market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/kg), 2021-2026

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 VGO Hydrotreating Catalysts

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 VGO Hydrotreating Catalysts market based

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on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include W. R. Grace (ART Hydroprocessing), Ketjen, Shell Catalysts & Technologies, Topsoe, Axens, Honeywell UOP, JGC Catalysts and Chemicals, Sinopec, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

VGO Hydrotreating Catalysts market is split by Type and by Application. For the period 2021-2032, 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

NiMo Type

CoMo Type

Other

Market segment by Reaction Function

Demetallization Catalyst

Desulfurization Catalyst

Denitrogenation Catalyst

Other

Market segment by Application

FCC Feed Pretreatment

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Hydrocracking Pretreatment

Others

Major players covered

W. R. Grace (ART Hydroprocessing)

Ketjen

Shell Catalysts & Technologies

Topsoe

Axens

Honeywell UOP

JGC Catalysts and Chemicals

Sinopec

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)

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The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe VGO Hydrotreating Catalysts product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of VGO Hydrotreating Catalysts, with price, sales quantity, revenue, and global market share of VGO Hydrotreating Catalysts from 2021 to 2026.

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

Chapter 4, the VGO Hydrotreating Catalysts breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026.and VGO Hydrotreating Catalysts market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 VGO Hydrotreating Catalysts.

Chapter 14 and 15, to describe VGO Hydrotreating Catalysts sales channel, distributors, customers, research findings and conclusion.

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