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# Global VGO Hydrotreating Catalysts Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global VGO Hydrotreating Catalysts market size is expected to reach $ 548 million by 2032, rising at a market growth of 3.8% CAGR during the forecast period (2026-2032).

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-factory price of around $14.9/kg; major manufacturers in the industry report gross

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margins of approximately 30%?50%.

This report studies the global VGO Hydrotreating Catalysts production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for VGO Hydrotreating Catalysts and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of VGO Hydrotreating Catalysts that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global VGO Hydrotreating Catalysts total production and demand, 2021-2032, (Tons)
Global VGO Hydrotreating Catalysts total production value, 2021-2032, (USD Million)
Global VGO Hydrotreating Catalysts production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global VGO Hydrotreating Catalysts consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: VGO Hydrotreating Catalysts domestic production, consumption, key domestic manufacturers and share
Global VGO Hydrotreating Catalysts production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global VGO Hydrotreating Catalysts production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global VGO Hydrotreating Catalysts production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global VGO Hydrotreating Catalysts 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 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.

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

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Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Tons) and average price (US$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global VGO Hydrotreating Catalysts Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global VGO Hydrotreating Catalysts Market, Segmentation by Type:

NiMo Type

CoMo Type

Other

Global VGO Hydrotreating Catalysts Market, Segmentation by Reaction Function:

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Demetallization Catalyst

Desulfurization Catalyst

Denitrogenation Catalyst

Other

Global VGO Hydrotreating Catalysts Market, Segmentation by Application:

FCC Feed Pretreatment

Hydrocracking Pretreatment

Others

Companies Profiled:

W. R. Grace (ART Hydroprocessing)

Ketjen

Shell Catalysts & Technologies

Topsoe

Axens

Honeywell UOP

JGC Catalysts and Chemicals

Sinopec

Key Questions Answered:
1. How big is the global VGO Hydrotreating Catalysts market?

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2. What is the demand of the global VGO Hydrotreating Catalysts market?
3. What is the year over year growth of the global VGO Hydrotreating Catalysts market?
4. What is the production and production value of the global VGO Hydrotreating Catalysts market?
5. Who are the key producers in the global VGO Hydrotreating Catalysts market?
6. What are the growth factors driving the market demand?

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