

Global Residue Upgrading Catalysts Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Residue Upgrading Catalysts market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Residue Upgrading Catalysts are specialized chemicals used in the refining process to convert heavy crude oils and refinery residues into lighter, more valuable products such as gasoline, diesel and jet fuel. These catalysts help break down the large, complex hydrocarbon molecules found in heavy oils, remove impurities such as sulfur, nitrogen and metals, and increase the hydrogen content. Residue upgrading processes include hydrotreating (hydroprocessing and hydrocracking), fluid catalytic cracking (FCC) and other processes. The use of these catalysts improves the efficiency and economic viability of refining operations, helping to meet the growing demand for cleaner fuels while minimizing waste and environmental impact.

This report is a detailed and comprehensive analysis for global Residue Upgrading 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 Residue Upgrading Catalysts market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Residue Upgrading Catalysts market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Residue Upgrading Catalysts market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Residue Upgrading Catalysts market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

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 Residue Upgrading 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 Residue Upgrading Catalysts market based 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 BASF, ART Hydroprocessing, Shell, Axens, Topsoe, Albemarle, Grace Catalysts Technologies, Honeywell UOP, Johnson Matthey, JGC C&C, etc.

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

Market Segmentation

Residue Upgrading Catalysts market is split by Type and by Application. For the period 2020-2031, 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

Hydroprocessing Catalysts

Fluid Catalytic Cracking (FCC) Catalysts

Others

Market segment by Application

Vacuum Residue

Atmospheric Residue

Major players covered

BASF

ART Hydroprocessing

Shell

Axens

Topsoe

Albemarle

Grace Catalysts Technologies

Honeywell UOP

Johnson Matthey

JGC C&C

KNT Group

Sinopec

CNPC

HCpect

Rezel

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 Residue Upgrading Catalysts product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Residue Upgrading Catalysts, with price, sales quantity, revenue, and global market share of Residue Upgrading Catalysts from 2020 to 2025.

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

Chapter 4, the Residue Upgrading Catalysts breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Residue Upgrading Catalysts market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Residue Upgrading Catalysts.

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

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