

**Metal Catalysts Market By Catalyst Type (Platinum, Ruthenium, Palladium, Titanium, Zinc, Copper, Others), By Applications (Automotive, Petrochemical, Pharmaceutical, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031**

Market Report | 2022-12-01 | 462 pages | Allied Market Research

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**Report description:**

The metal catalysts market was valued at \$18.8 billion in 2021 and is estimated to reach \$29.1 billion by 2031, exhibiting a CAGR of 4.5% from 2022 to 2031.

Metal catalysts are chemical compounds which are used to enhance the rate of a chemical reaction by balancing the activation energy of metal. Some of the precious metal catalysts includes platinum, palladium, vanadium, zinc, titanium, and others. These metal catalysts are corrosion resistant, thermally stable, environment friendly, and best suited for high-performance applications owing to which it finds wide range of applications in industrial, petrochemical, automotive, medical, and others.

Increase in the demand from emerging end use industries and increase in the production rate of metal catalyst from leading manufacturers has spurred the growth of industrial sectors. For instance, according to an article published by Indian Express in December 2022, India's industrial sector is projected to grow at 11.8% in the year 2021-2022 and plans like Production Linked Scheme (PLI) for various sector has enhanced the growth of industrial sector in India. Metal catalyst plays a significant role in the industrial sector where it is widely used in refining petroleum to break the long chain hydrocarbon molecules into smaller ones. This may act as one of the driving factors responsible for the growth of the metal catalyst market during the forecast period. Habitual exposure to metal catalysts in the automotive, industrial, and metal fabrication industries will have adverse effects on the workers. In addition, several metal catalysts involved in organic synthetic reactions rely on heavy metals and tend to contaminate the environment if they are not disposed of properly. It is therefore essential to reduce the quantity of these metal catalysts that we use in each reaction. In addition, metal catalysts are expensive and toxic which may restrain market growth. The growing population coupled with an increase in the per capita income of consumers, improvement in the standard of living, and rise in the demand for commercial vehicles has led the Indian government has set up large orders for automobile. For instance, according to an article published Invest India December 2022, the automobile industry produced a total 22.93 million vehicles including passenger vehicles, commercial vehicles, three wheelers, two wheelers, and quadricycles in April 2021 to March

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2022. Platinum-based metal catalyst This is anticipated to increase sales of metal catalyst market in the automobile industry; thus, creating lucrative opportunities for the market.???

The global metal catalyst market analysis is done on the basis of catalysts type, applications, and region.? the market is divided into platinum, ruthenium, palladium, titanium, zinc, copper, and others. On the basis of application, it is fragmented into? automotive, petrochemical, pharmaceutical, and others. Region-wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.?The major companies profiled in this report include Alfa Aesar, Thermo Fisher Scientific., Alfa Chemistry., American Elements, BASF SE, CHIMET, Clariant AG, Evonik Industries AG, Heraeus Holding, Johnson Matthey, and Vineeth Precious Catalysts Pvt. Ltd.??

Key Findings :

By catalyst type, the platinum segment is expected to hold 30% of the market share in 2021.?

By application, the automotive segment is estimated to grow faster and accounted for 4.5% of CAGR during 2022-2031.

By region North America hold largest market share generating region followed by Asia-Pacific

Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the metal catalysts market analysis from 2021 to 2031 to identify the prevailing metal catalysts market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the metal catalysts market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes the analysis of the regional as well as global metal catalysts market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Catalyst Type

- Platinum
- Ruthenium
- Palladium
- Titanium
- Zinc
- Copper
- Others

By Applications

- Automotive
- Petrochemical
- Pharmaceutical
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France

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- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Alfa Chemistry
- BASF SE
- Chimet S.p.A.
- heraeus holding gmbh
- Clariant AG
- Alfa Aesar, Thermo Fisher Scientific
- Johnson Matthey plc
- Vineeth Precious Catalysts Pvt. Ltd.
- AMERICAN ELEMENTS
- Evonik Industries AG

## **Table of Contents:**

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research Methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top impacting factors
  - 3.2.2. Top investment pockets
- 3.3. Porter's five forces analysis
  - 3.3.1. High bargaining power of suppliers
  - 3.3.2. High bargaining power of buyers
  - 3.3.3. High threat of substitutes

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- 3.3.4. High threat of new entrants
- 3.3.5. High intensity of rivalry
- 3.4. Market dynamics
  - 3.4.1. Drivers
    - 3.4.1.1. Robust use of metal catalyst in the Industrial sector
    - 3.4.1.2. Increase in the demand for metal catalyst from metal refining and recycling industry
  - 3.4.2. Restraints
    - 3.4.2.1. Environmental effect of metal catalysts
  - 3.4.3. Opportunities
    - 3.4.3.1. Increase in the investment in automobile sector to boost the market

### 3.5. COVID-19 Impact Analysis on the market

### 3.6. Key Regulation Analysis

### 3.7. Patent Landscape

### 3.8. Pricing Analysis

### 3.9. Regulatory Guidelines

### 3.10. Value Chain Analysis

## CHAPTER 4: METAL CATALYSTS MARKET, BY CATALYST TYPE

### 4.1. Overview

#### 4.1.1. Market size and forecast

### 4.2. Platinum

#### 4.2.1. Key market trends, growth factors and opportunities

#### 4.2.2. Market size and forecast, by region

#### 4.2.3. Market share analysis by country

### 4.3. Ruthenium

#### 4.3.1. Key market trends, growth factors and opportunities

#### 4.3.2. Market size and forecast, by region

#### 4.3.3. Market share analysis by country

### 4.4. Palladium

#### 4.4.1. Key market trends, growth factors and opportunities

#### 4.4.2. Market size and forecast, by region

#### 4.4.3. Market share analysis by country

### 4.5. Titanium

#### 4.5.1. Key market trends, growth factors and opportunities

#### 4.5.2. Market size and forecast, by region

#### 4.5.3. Market share analysis by country

### 4.6. Zinc

#### 4.6.1. Key market trends, growth factors and opportunities

#### 4.6.2. Market size and forecast, by region

#### 4.6.3. Market share analysis by country

### 4.7. Copper

#### 4.7.1. Key market trends, growth factors and opportunities

#### 4.7.2. Market size and forecast, by region

#### 4.7.3. Market share analysis by country

### 4.8. Others

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- 4.8.1. Key market trends, growth factors and opportunities
- 4.8.2. Market size and forecast, by region
- 4.8.3. Market share analysis by country

#### CHAPTER 5: METAL CATALYSTS MARKET, BY APPLICATIONS

##### 5.1. Overview

###### 5.1.1. Market size and forecast

##### 5.2. Automotive

###### 5.2.1. Key market trends, growth factors and opportunities

###### 5.2.2. Market size and forecast, by region

###### 5.2.3. Market share analysis by country

##### 5.3. Petrochemical

###### 5.3.1. Key market trends, growth factors and opportunities

###### 5.3.2. Market size and forecast, by region

###### 5.3.3. Market share analysis by country

##### 5.4. Pharmaceutical

###### 5.4.1. Key market trends, growth factors and opportunities

###### 5.4.2. Market size and forecast, by region

###### 5.4.3. Market share analysis by country

##### 5.5. Others

###### 5.5.1. Key market trends, growth factors and opportunities

###### 5.5.2. Market size and forecast, by region

###### 5.5.3. Market share analysis by country

#### CHAPTER 6: METAL CATALYSTS MARKET, BY REGION

##### 6.1. Overview

###### 6.1.1. Market size and forecast By Region

##### 6.2. North America

###### 6.2.1. Key trends and opportunities

###### 6.2.2. Market size and forecast, by Catalyst Type

###### 6.2.3. Market size and forecast, by Applications

###### 6.2.4. Market size and forecast, by country

###### 6.2.4.1. U.S.

###### 6.2.4.1.1. Key market trends, growth factors and opportunities

###### 6.2.4.1.2. Market size and forecast, by Catalyst Type

###### 6.2.4.1.3. Market size and forecast, by Applications

###### 6.2.4.2. Canada

###### 6.2.4.2.1. Key market trends, growth factors and opportunities

###### 6.2.4.2.2. Market size and forecast, by Catalyst Type

###### 6.2.4.2.3. Market size and forecast, by Applications

###### 6.2.4.3. Mexico

###### 6.2.4.3.1. Key market trends, growth factors and opportunities

###### 6.2.4.3.2. Market size and forecast, by Catalyst Type

###### 6.2.4.3.3. Market size and forecast, by Applications

##### 6.3. Europe

###### 6.3.1. Key trends and opportunities

###### 6.3.2. Market size and forecast, by Catalyst Type

###### 6.3.3. Market size and forecast, by Applications

###### 6.3.4. Market size and forecast, by country

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- 6.3.4.1. Germany
  - 6.3.4.1.1. Key market trends, growth factors and opportunities
  - 6.3.4.1.2. Market size and forecast, by Catalyst Type
  - 6.3.4.1.3. Market size and forecast, by Applications
- 6.3.4.2. UK
  - 6.3.4.2.1. Key market trends, growth factors and opportunities
  - 6.3.4.2.2. Market size and forecast, by Catalyst Type
  - 6.3.4.2.3. Market size and forecast, by Applications
- 6.3.4.3. France
  - 6.3.4.3.1. Key market trends, growth factors and opportunities
  - 6.3.4.3.2. Market size and forecast, by Catalyst Type
  - 6.3.4.3.3. Market size and forecast, by Applications
- 6.3.4.4. Spain
  - 6.3.4.4.1. Key market trends, growth factors and opportunities
  - 6.3.4.4.2. Market size and forecast, by Catalyst Type
  - 6.3.4.4.3. Market size and forecast, by Applications
- 6.3.4.5. Italy
  - 6.3.4.5.1. Key market trends, growth factors and opportunities
  - 6.3.4.5.2. Market size and forecast, by Catalyst Type
  - 6.3.4.5.3. Market size and forecast, by Applications
- 6.3.4.6. Rest of Europe
  - 6.3.4.6.1. Key market trends, growth factors and opportunities
  - 6.3.4.6.2. Market size and forecast, by Catalyst Type
  - 6.3.4.6.3. Market size and forecast, by Applications
- 6.4. Asia-Pacific
  - 6.4.1. Key trends and opportunities
  - 6.4.2. Market size and forecast, by Catalyst Type
  - 6.4.3. Market size and forecast, by Applications
  - 6.4.4. Market size and forecast, by country
    - 6.4.4.1. China
      - 6.4.4.1.1. Key market trends, growth factors and opportunities
      - 6.4.4.1.2. Market size and forecast, by Catalyst Type
      - 6.4.4.1.3. Market size and forecast, by Applications
    - 6.4.4.2. India
      - 6.4.4.2.1. Key market trends, growth factors and opportunities
      - 6.4.4.2.2. Market size and forecast, by Catalyst Type
      - 6.4.4.2.3. Market size and forecast, by Applications
    - 6.4.4.3. Japan
      - 6.4.4.3.1. Key market trends, growth factors and opportunities
      - 6.4.4.3.2. Market size and forecast, by Catalyst Type
      - 6.4.4.3.3. Market size and forecast, by Applications
    - 6.4.4.4. South Korea
      - 6.4.4.4.1. Key market trends, growth factors and opportunities
      - 6.4.4.4.2. Market size and forecast, by Catalyst Type
      - 6.4.4.4.3. Market size and forecast, by Applications
    - 6.4.4.5. Australia
      - 6.4.4.5.1. Key market trends, growth factors and opportunities

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- 6.4.4.5.2. Market size and forecast, by Catalyst Type
- 6.4.4.5.3. Market size and forecast, by Applications
- 6.4.4.6. Rest of Asia-Pacific
  - 6.4.4.6.1. Key market trends, growth factors and opportunities
  - 6.4.4.6.2. Market size and forecast, by Catalyst Type
  - 6.4.4.6.3. Market size and forecast, by Applications
- 6.5. LAMEA
  - 6.5.1. Key trends and opportunities
  - 6.5.2. Market size and forecast, by Catalyst Type
  - 6.5.3. Market size and forecast, by Applications
  - 6.5.4. Market size and forecast, by country
    - 6.5.4.1. Brazil
      - 6.5.4.1.1. Key market trends, growth factors and opportunities
      - 6.5.4.1.2. Market size and forecast, by Catalyst Type
      - 6.5.4.1.3. Market size and forecast, by Applications
    - 6.5.4.2. Saudi Arabia
      - 6.5.4.2.1. Key market trends, growth factors and opportunities
      - 6.5.4.2.2. Market size and forecast, by Catalyst Type
      - 6.5.4.2.3. Market size and forecast, by Applications
    - 6.5.4.3. South Africa
      - 6.5.4.3.1. Key market trends, growth factors and opportunities
      - 6.5.4.3.2. Market size and forecast, by Catalyst Type
      - 6.5.4.3.3. Market size and forecast, by Applications
    - 6.5.4.4. Rest of LAMEA
      - 6.5.4.4.1. Key market trends, growth factors and opportunities
      - 6.5.4.4.2. Market size and forecast, by Catalyst Type
      - 6.5.4.4.3. Market size and forecast, by Applications

## CHAPTER 7: COMPETITIVE LANDSCAPE

- 7.1. Introduction
- 7.2. Top winning strategies
- 7.3. Product Mapping of Top 10 Player
- 7.4. Competitive Dashboard
- 7.5. Competitive Heatmap
- 7.6. Top player positioning, 2021

## CHAPTER 8: COMPANY PROFILES

- 8.1. Alfa Aesar, Thermo Fisher Scientific
  - 8.1.1. Company overview
  - 8.1.2. Key Executives
  - 8.1.3. Company snapshot
  - 8.1.4. Operating business segments
  - 8.1.5. Product portfolio
- 8.2. Alfa Chemistry
  - 8.2.1. Company overview
  - 8.2.2. Key Executives
  - 8.2.3. Company snapshot
  - 8.2.4. Operating business segments
  - 8.2.5. Product portfolio

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- 8.3. AMERICAN ELEMENTS
  - 8.3.1. Company overview
  - 8.3.2. Key Executives
  - 8.3.3. Company snapshot
  - 8.3.4. Operating business segments
  - 8.3.5. Product portfolio
- 8.4. BASF SE
  - 8.4.1. Company overview
  - 8.4.2. Key Executives
  - 8.4.3. Company snapshot
  - 8.4.4. Operating business segments
  - 8.4.5. Product portfolio
  - 8.4.6. Business performance
  - 8.4.7. Key strategic moves and developments
- 8.5. Clariant AG
  - 8.5.1. Company overview
  - 8.5.2. Key Executives
  - 8.5.3. Company snapshot
  - 8.5.4. Operating business segments
  - 8.5.5. Product portfolio
  - 8.5.6. Business performance
- 8.6. Chimet S.p.A.
  - 8.6.1. Company overview
  - 8.6.2. Key Executives
  - 8.6.3. Company snapshot
  - 8.6.4. Operating business segments
  - 8.6.5. Product portfolio
- 8.7. Evonik Industries AG
  - 8.7.1. Company overview
  - 8.7.2. Key Executives
  - 8.7.3. Company snapshot
  - 8.7.4. Operating business segments
  - 8.7.5. Product portfolio
  - 8.7.6. Business performance
  - 8.7.7. Key strategic moves and developments
- 8.8. heraeus holding gmbh
  - 8.8.1. Company overview
  - 8.8.2. Key Executives
  - 8.8.3. Company snapshot
  - 8.8.4. Operating business segments
  - 8.8.5. Product portfolio
- 8.9. Johnson Matthey plc
  - 8.9.1. Company overview
  - 8.9.2. Key Executives
  - 8.9.3. Company snapshot
  - 8.9.4. Operating business segments
  - 8.9.5. Product portfolio

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- 8.9.6. Business performance
- 8.10. Vineeth Precious Catalysts Pvt. Ltd.
  - 8.10.1. Company overview
  - 8.10.2. Key Executives
  - 8.10.3. Company snapshot
  - 8.10.4. Operating business segments
  - 8.10.5. Product portfolio

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