

Global Ruthenium Precursors Market Growth 2025-2031

<https://marketpublishers.com/r/G10FF24273F9EN.html>

Date: August 2025

Pages: 100

Price: US\$ 3,660.00 (Single User License)

ID: G10FF24273F9EN

Abstracts

The global Ruthenium Precursors market size is predicted to grow from US\$ 71.9 million in 2025 to US\$ 108 million in 2031; it is expected to grow at a CAGR of 7.0% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Ruthenium precursors are chemical compounds used in the deposition of ruthenium-containing thin films in various applications such as semiconductor manufacturing, catalysis, sensors, and energy storage devices. These precursors serve as a source of ruthenium atoms during thin film deposition processes like chemical vapor deposition (CVD) and atomic layer deposition (ALD). Ruthenium is a transition metal known for its catalytic properties, corrosion resistance, and electrical conductivity, making it valuable for a range of advanced materials.

United States market for Ruthenium Precursors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Ruthenium Precursors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Ruthenium Precursors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Ruthenium Precursors players cover Merck, Air Liquide Group, Heraeus,

DNF Solutions, Hansol Chemical, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Ruthenium Precursors Industry Forecast” looks at past sales and reviews total world Ruthenium Precursors sales in 2024, providing a comprehensive analysis by region and market sector of projected Ruthenium Precursors sales for 2025 through 2031. With Ruthenium Precursors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Ruthenium Precursors industry.

This Insight Report provides a comprehensive analysis of the global Ruthenium Precursors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Ruthenium Precursors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Ruthenium Precursors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Ruthenium Precursors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Ruthenium Precursors.

This report presents a comprehensive overview, market shares, and growth opportunities of Ruthenium Precursors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Metal Cyclopentadienyls

Metal η -diketones

Others

Segmentation by Application:

Semiconductor Industry

Energy Industry

Display Industry

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Merck

Air Liquide Group

Heraeus

DNF Solutions

Hansol Chemical

TANAKA

Strem Chemicals

Adchem-tech

Gelest

Wonik Materials

Key Questions Addressed in this Report

What is the 10-year outlook for the global Ruthenium Precursors market?

What factors are driving Ruthenium Precursors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Ruthenium Precursors market opportunities vary by end market size?

How does Ruthenium Precursors break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Ruthenium Precursors Annual Sales 2020-2031
- 2.1.2 World Current & Future Analysis for Ruthenium Precursors by Geographic Region, 2020, 2024 & 2031
- 2.1.3 World Current & Future Analysis for Ruthenium Precursors by Country/Region, 2020, 2024 & 2031

2.2 Ruthenium Precursors Segment by Type

- 2.2.1 Metal Cyclopentadienyls
- 2.2.2 Metal η^5 -diketones
- 2.2.3 Others

2.3 Ruthenium Precursors Sales by Type

- 2.3.1 Global Ruthenium Precursors Sales Market Share by Type (2020-2025)
- 2.3.2 Global Ruthenium Precursors Revenue and Market Share by Type (2020-2025)
- 2.3.3 Global Ruthenium Precursors Sale Price by Type (2020-2025)

2.4 Ruthenium Precursors Segment by Application

- 2.4.1 Semiconductor Industry
- 2.4.2 Energy Industry
- 2.4.3 Display Industry
- 2.4.4 Others

2.5 Ruthenium Precursors Sales by Application

- 2.5.1 Global Ruthenium Precursors Sale Market Share by Application (2020-2025)
- 2.5.2 Global Ruthenium Precursors Revenue and Market Share by Application (2020-2025)
- 2.5.3 Global Ruthenium Precursors Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Ruthenium Precursors Breakdown Data by Company

3.1.1 Global Ruthenium Precursors Annual Sales by Company (2020-2025)

3.1.2 Global Ruthenium Precursors Sales Market Share by Company (2020-2025)

3.2 Global Ruthenium Precursors Annual Revenue by Company (2020-2025)

3.2.1 Global Ruthenium Precursors Revenue by Company (2020-2025)

3.2.2 Global Ruthenium Precursors Revenue Market Share by Company (2020-2025)

3.3 Global Ruthenium Precursors Sale Price by Company

3.4 Key Manufacturers Ruthenium Precursors Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Ruthenium Precursors Product Location Distribution

3.4.2 Players Ruthenium Precursors Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR RUTHENIUM PRECURSORS BY GEOGRAPHIC REGION

4.1 World Historic Ruthenium Precursors Market Size by Geographic Region (2020-2025)

4.1.1 Global Ruthenium Precursors Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Ruthenium Precursors Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Ruthenium Precursors Market Size by Country/Region (2020-2025)

4.2.1 Global Ruthenium Precursors Annual Sales by Country/Region (2020-2025)

4.2.2 Global Ruthenium Precursors Annual Revenue by Country/Region (2020-2025)

4.3 Americas Ruthenium Precursors Sales Growth

4.4 APAC Ruthenium Precursors Sales Growth

4.5 Europe Ruthenium Precursors Sales Growth

4.6 Middle East & Africa Ruthenium Precursors Sales Growth

5 AMERICAS

5.1 Americas Ruthenium Precursors Sales by Country

- 5.1.1 Americas Ruthenium Precursors Sales by Country (2020-2025)
- 5.1.2 Americas Ruthenium Precursors Revenue by Country (2020-2025)
- 5.2 Americas Ruthenium Precursors Sales by Type (2020-2025)
- 5.3 Americas Ruthenium Precursors Sales by Application (2020-2025)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Ruthenium Precursors Sales by Region
 - 6.1.1 APAC Ruthenium Precursors Sales by Region (2020-2025)
 - 6.1.2 APAC Ruthenium Precursors Revenue by Region (2020-2025)
- 6.2 APAC Ruthenium Precursors Sales by Type (2020-2025)
- 6.3 APAC Ruthenium Precursors Sales by Application (2020-2025)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Ruthenium Precursors by Country
 - 7.1.1 Europe Ruthenium Precursors Sales by Country (2020-2025)
 - 7.1.2 Europe Ruthenium Precursors Revenue by Country (2020-2025)
- 7.2 Europe Ruthenium Precursors Sales by Type (2020-2025)
- 7.3 Europe Ruthenium Precursors Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Ruthenium Precursors by Country

8.1.1 Middle East & Africa Ruthenium Precursors Sales by Country (2020-2025)

8.1.2 Middle East & Africa Ruthenium Precursors Revenue by Country (2020-2025)

8.2 Middle East & Africa Ruthenium Precursors Sales by Type (2020-2025)

8.3 Middle East & Africa Ruthenium Precursors Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Ruthenium Precursors

10.3 Manufacturing Process Analysis of Ruthenium Precursors

10.4 Industry Chain Structure of Ruthenium Precursors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Ruthenium Precursors Distributors

11.3 Ruthenium Precursors Customer

12 WORLD FORECAST REVIEW FOR RUTHENIUM PRECURSORS BY GEOGRAPHIC REGION

12.1 Global Ruthenium Precursors Market Size Forecast by Region

12.1.1 Global Ruthenium Precursors Forecast by Region (2026-2031)

12.1.2 Global Ruthenium Precursors Annual Revenue Forecast by Region (2026-2031)

- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Ruthenium Precursors Forecast by Type (2026-2031)
- 12.7 Global Ruthenium Precursors Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Merck

- 13.1.1 Merck Company Information
- 13.1.2 Merck Ruthenium Precursors Product Portfolios and Specifications
- 13.1.3 Merck Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.1.4 Merck Main Business Overview
- 13.1.5 Merck Latest Developments

13.2 Air Liquide Group

- 13.2.1 Air Liquide Group Company Information
- 13.2.2 Air Liquide Group Ruthenium Precursors Product Portfolios and Specifications
- 13.2.3 Air Liquide Group Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.2.4 Air Liquide Group Main Business Overview
- 13.2.5 Air Liquide Group Latest Developments

13.3 Heraeus

- 13.3.1 Heraeus Company Information
- 13.3.2 Heraeus Ruthenium Precursors Product Portfolios and Specifications
- 13.3.3 Heraeus Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.3.4 Heraeus Main Business Overview
- 13.3.5 Heraeus Latest Developments

13.4 DNF Solutions

- 13.4.1 DNF Solutions Company Information
- 13.4.2 DNF Solutions Ruthenium Precursors Product Portfolios and Specifications
- 13.4.3 DNF Solutions Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.4.4 DNF Solutions Main Business Overview
- 13.4.5 DNF Solutions Latest Developments

13.5 Hansol Chemical

- 13.5.1 Hansol Chemical Company Information

- 13.5.2 Hansol Chemical Ruthenium Precursors Product Portfolios and Specifications
- 13.5.3 Hansol Chemical Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.5.4 Hansol Chemical Main Business Overview
- 13.5.5 Hansol Chemical Latest Developments
- 13.6 TANAKA
 - 13.6.1 TANAKA Company Information
 - 13.6.2 TANAKA Ruthenium Precursors Product Portfolios and Specifications
 - 13.6.3 TANAKA Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 TANAKA Main Business Overview
 - 13.6.5 TANAKA Latest Developments
- 13.7 Strem Chemicals
 - 13.7.1 Strem Chemicals Company Information
 - 13.7.2 Strem Chemicals Ruthenium Precursors Product Portfolios and Specifications
 - 13.7.3 Strem Chemicals Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 Strem Chemicals Main Business Overview
 - 13.7.5 Strem Chemicals Latest Developments
- 13.8 Adchem-tech
 - 13.8.1 Adchem-tech Company Information
 - 13.8.2 Adchem-tech Ruthenium Precursors Product Portfolios and Specifications
 - 13.8.3 Adchem-tech Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 Adchem-tech Main Business Overview
 - 13.8.5 Adchem-tech Latest Developments
- 13.9 Gelest
 - 13.9.1 Gelest Company Information
 - 13.9.2 Gelest Ruthenium Precursors Product Portfolios and Specifications
 - 13.9.3 Gelest Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Gelest Main Business Overview
 - 13.9.5 Gelest Latest Developments
- 13.10 Wonik Materials
 - 13.10.1 Wonik Materials Company Information
 - 13.10.2 Wonik Materials Ruthenium Precursors Product Portfolios and Specifications
 - 13.10.3 Wonik Materials Ruthenium Precursors Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Wonik Materials Main Business Overview

13.10.5 Wonik Materials Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Ruthenium Precursors Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Ruthenium Precursors Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Metal Cyclopentadienyls

Table 4. Major Players of Metal η -diketones

Table 5. Major Players of Others

Table 6. Global Ruthenium Precursors Sales by Type (2020-2025) & (Tons)

Table 7. Global Ruthenium Precursors Sales Market Share by Type (2020-2025)

Table 8. Global Ruthenium Precursors Revenue by Type (2020-2025) & (\$ million)

Table 9. Global Ruthenium Precursors Revenue Market Share by Type (2020-2025)

Table 10. Global Ruthenium Precursors Sale Price by Type (2020-2025) & (US\$/Kg)

Table 11. Global Ruthenium Precursors Sale by Application (2020-2025) & (Tons)

Table 12. Global Ruthenium Precursors Sale Market Share by Application (2020-2025)

Table 13. Global Ruthenium Precursors Revenue by Application (2020-2025) & (\$ million)

Table 14. Global Ruthenium Precursors Revenue Market Share by Application (2020-2025)

Table 15. Global Ruthenium Precursors Sale Price by Application (2020-2025) & (US\$/Kg)

Table 16. Global Ruthenium Precursors Sales by Company (2020-2025) & (Tons)

Table 17. Global Ruthenium Precursors Sales Market Share by Company (2020-2025)

Table 18. Global Ruthenium Precursors Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global Ruthenium Precursors Revenue Market Share by Company (2020-2025)

Table 20. Global Ruthenium Precursors Sale Price by Company (2020-2025) & (US\$/Kg)

Table 21. Key Manufacturers Ruthenium Precursors Producing Area Distribution and Sales Area

Table 22. Players Ruthenium Precursors Products Offered

Table 23. Ruthenium Precursors Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global Ruthenium Precursors Sales by Geographic Region (2020-2025) & (Tons)

Table 27. Global Ruthenium Precursors Sales Market Share Geographic Region (2020-2025)

Table 28. Global Ruthenium Precursors Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global Ruthenium Precursors Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global Ruthenium Precursors Sales by Country/Region (2020-2025) & (Tons)

Table 31. Global Ruthenium Precursors Sales Market Share by Country/Region (2020-2025)

Table 32. Global Ruthenium Precursors Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global Ruthenium Precursors Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas Ruthenium Precursors Sales by Country (2020-2025) & (Tons)

Table 35. Americas Ruthenium Precursors Sales Market Share by Country (2020-2025)

Table 36. Americas Ruthenium Precursors Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas Ruthenium Precursors Sales by Type (2020-2025) & (Tons)

Table 38. Americas Ruthenium Precursors Sales by Application (2020-2025) & (Tons)

Table 39. APAC Ruthenium Precursors Sales by Region (2020-2025) & (Tons)

Table 40. APAC Ruthenium Precursors Sales Market Share by Region (2020-2025)

Table 41. APAC Ruthenium Precursors Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC Ruthenium Precursors Sales by Type (2020-2025) & (Tons)

Table 43. APAC Ruthenium Precursors Sales by Application (2020-2025) & (Tons)

Table 44. Europe Ruthenium Precursors Sales by Country (2020-2025) & (Tons)

Table 45. Europe Ruthenium Precursors Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe Ruthenium Precursors Sales by Type (2020-2025) & (Tons)

Table 47. Europe Ruthenium Precursors Sales by Application (2020-2025) & (Tons)

Table 48. Middle East & Africa Ruthenium Precursors Sales by Country (2020-2025) & (Tons)

Table 49. Middle East & Africa Ruthenium Precursors Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa Ruthenium Precursors Sales by Type (2020-2025) & (Tons)

Table 51. Middle East & Africa Ruthenium Precursors Sales by Application (2020-2025) & (Tons)

- Table 52. Key Market Drivers & Growth Opportunities of Ruthenium Precursors
- Table 53. Key Market Challenges & Risks of Ruthenium Precursors
- Table 54. Key Industry Trends of Ruthenium Precursors
- Table 55. Ruthenium Precursors Raw Material
- Table 56. Key Suppliers of Raw Materials
- Table 57. Ruthenium Precursors Distributors List
- Table 58. Ruthenium Precursors Customer List
- Table 59. Global Ruthenium Precursors Sales Forecast by Region (2026-2031) & (Tons)
- Table 60. Global Ruthenium Precursors Revenue Forecast by Region (2026-2031) & (\$ millions)
- Table 61. Americas Ruthenium Precursors Sales Forecast by Country (2026-2031) & (Tons)
- Table 62. Americas Ruthenium Precursors Annual Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 63. APAC Ruthenium Precursors Sales Forecast by Region (2026-2031) & (Tons)
- Table 64. APAC Ruthenium Precursors Annual Revenue Forecast by Region (2026-2031) & (\$ millions)
- Table 65. Europe Ruthenium Precursors Sales Forecast by Country (2026-2031) & (Tons)
- Table 66. Europe Ruthenium Precursors Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 67. Middle East & Africa Ruthenium Precursors Sales Forecast by Country (2026-2031) & (Tons)
- Table 68. Middle East & Africa Ruthenium Precursors Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 69. Global Ruthenium Precursors Sales Forecast by Type (2026-2031) & (Tons)
- Table 70. Global Ruthenium Precursors Revenue Forecast by Type (2026-2031) & (\$ millions)
- Table 71. Global Ruthenium Precursors Sales Forecast by Application (2026-2031) & (Tons)
- Table 72. Global Ruthenium Precursors Revenue Forecast by Application (2026-2031) & (\$ millions)
- Table 73. Merck Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors
- Table 74. Merck Ruthenium Precursors Product Portfolios and Specifications
- Table 75. Merck Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)
- Table 76. Merck Main Business

Table 77. Merck Latest Developments

Table 78. Air Liquide Group Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors

Table 79. Air Liquide Group Ruthenium Precursors Product Portfolios and Specifications

Table 80. Air Liquide Group Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)

Table 81. Air Liquide Group Main Business

Table 82. Air Liquide Group Latest Developments

Table 83. Heraeus Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors

Table 84. Heraeus Ruthenium Precursors Product Portfolios and Specifications

Table 85. Heraeus Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)

Table 86. Heraeus Main Business

Table 87. Heraeus Latest Developments

Table 88. DNF Solutions Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors

Table 89. DNF Solutions Ruthenium Precursors Product Portfolios and Specifications

Table 90. DNF Solutions Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)

Table 91. DNF Solutions Main Business

Table 92. DNF Solutions Latest Developments

Table 93. Hansol Chemical Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors

Table 94. Hansol Chemical Ruthenium Precursors Product Portfolios and Specifications

Table 95. Hansol Chemical Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)

Table 96. Hansol Chemical Main Business

Table 97. Hansol Chemical Latest Developments

Table 98. TANAKA Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors

Table 99. TANAKA Ruthenium Precursors Product Portfolios and Specifications

Table 100. TANAKA Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)

Table 101. TANAKA Main Business

Table 102. TANAKA Latest Developments

Table 103. Strem Chemicals Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors

- Table 104. Strem Chemicals Ruthenium Precursors Product Portfolios and Specifications
- Table 105. Strem Chemicals Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)
- Table 106. Strem Chemicals Main Business
- Table 107. Strem Chemicals Latest Developments
- Table 108. Adchem-tech Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors
- Table 109. Adchem-tech Ruthenium Precursors Product Portfolios and Specifications
- Table 110. Adchem-tech Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)
- Table 111. Adchem-tech Main Business
- Table 112. Adchem-tech Latest Developments
- Table 113. Gelest Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors
- Table 114. Gelest Ruthenium Precursors Product Portfolios and Specifications
- Table 115. Gelest Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)
- Table 116. Gelest Main Business
- Table 117. Gelest Latest Developments
- Table 118. Wonik Materials Basic Information, Ruthenium Precursors Manufacturing Base, Sales Area and Its Competitors
- Table 119. Wonik Materials Ruthenium Precursors Product Portfolios and Specifications
- Table 120. Wonik Materials Ruthenium Precursors Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2020-2025)
- Table 121. Wonik Materials Main Business
- Table 122. Wonik Materials Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Ruthenium Precursors
- Figure 2. Ruthenium Precursors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Ruthenium Precursors Sales Growth Rate 2020-2031 (Tons)
- Figure 7. Global Ruthenium Precursors Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Ruthenium Precursors Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Ruthenium Precursors Sales Market Share by Country/Region (2024)
- Figure 10. Ruthenium Precursors Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Metal Cyclopentadienyls
- Figure 12. Product Picture of Metal η^5 -diketones
- Figure 13. Product Picture of Others
- Figure 14. Global Ruthenium Precursors Sales Market Share by Type in 2025
- Figure 15. Global Ruthenium Precursors Revenue Market Share by Type (2020-2025)
- Figure 16. Ruthenium Precursors Consumed in Semiconductor Industry
- Figure 17. Global Ruthenium Precursors Market: Semiconductor Industry (2020-2025) & (Tons)
- Figure 18. Ruthenium Precursors Consumed in Energy Industry
- Figure 19. Global Ruthenium Precursors Market: Energy Industry (2020-2025) & (Tons)
- Figure 20. Ruthenium Precursors Consumed in Display Industry
- Figure 21. Global Ruthenium Precursors Market: Display Industry (2020-2025) & (Tons)
- Figure 22. Ruthenium Precursors Consumed in Others
- Figure 23. Global Ruthenium Precursors Market: Others (2020-2025) & (Tons)
- Figure 24. Global Ruthenium Precursors Sale Market Share by Application (2024)
- Figure 25. Global Ruthenium Precursors Revenue Market Share by Application in 2025
- Figure 26. Ruthenium Precursors Sales by Company in 2025 (Tons)
- Figure 27. Global Ruthenium Precursors Sales Market Share by Company in 2025
- Figure 28. Ruthenium Precursors Revenue by Company in 2025 (\$ millions)
- Figure 29. Global Ruthenium Precursors Revenue Market Share by Company in 2025
- Figure 30. Global Ruthenium Precursors Sales Market Share by Geographic Region (2020-2025)
- Figure 31. Global Ruthenium Precursors Revenue Market Share by Geographic Region

in 2025

Figure 32. Americas Ruthenium Precursors Sales 2020-2025 (Tons)

Figure 33. Americas Ruthenium Precursors Revenue 2020-2025 (\$ millions)

Figure 34. APAC Ruthenium Precursors Sales 2020-2025 (Tons)

Figure 35. APAC Ruthenium Precursors Revenue 2020-2025 (\$ millions)

Figure 36. Europe Ruthenium Precursors Sales 2020-2025 (Tons)

Figure 37. Europe Ruthenium Precursors Revenue 2020-2025 (\$ millions)

Figure 38. Middle East & Africa Ruthenium Precursors Sales 2020-2025 (Tons)

Figure 39. Middle East & Africa Ruthenium Precursors Revenue 2020-2025 (\$ millions)

Figure 40. Americas Ruthenium Precursors Sales Market Share by Country in 2025

Figure 41. Americas Ruthenium Precursors Revenue Market Share by Country (2020-2025)

Figure 42. Americas Ruthenium Precursors Sales Market Share by Type (2020-2025)

Figure 43. Americas Ruthenium Precursors Sales Market Share by Application (2020-2025)

Figure 44. United States Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 45. Canada Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 46. Mexico Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 47. Brazil Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 48. APAC Ruthenium Precursors Sales Market Share by Region in 2025

Figure 49. APAC Ruthenium Precursors Revenue Market Share by Region (2020-2025)

Figure 50. APAC Ruthenium Precursors Sales Market Share by Type (2020-2025)

Figure 51. APAC Ruthenium Precursors Sales Market Share by Application (2020-2025)

Figure 52. China Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 53. Japan Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 54. South Korea Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 55. Southeast Asia Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 56. India Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 57. Australia Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 58. China Taiwan Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 59. Europe Ruthenium Precursors Sales Market Share by Country in 2025

Figure 60. Europe Ruthenium Precursors Revenue Market Share by Country (2020-2025)

Figure 61. Europe Ruthenium Precursors Sales Market Share by Type (2020-2025)

Figure 62. Europe Ruthenium Precursors Sales Market Share by Application (2020-2025)

Figure 63. Germany Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 64. France Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 65. UK Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 66. Italy Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 67. Russia Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 68. Middle East & Africa Ruthenium Precursors Sales Market Share by Country (2020-2025)

Figure 69. Middle East & Africa Ruthenium Precursors Sales Market Share by Type (2020-2025)

Figure 70. Middle East & Africa Ruthenium Precursors Sales Market Share by Application (2020-2025)

Figure 71. Egypt Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 72. South Africa Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 73. Israel Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 74. Turkey Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 75. GCC Countries Ruthenium Precursors Revenue Growth 2020-2025 (\$ millions)

Figure 76. Manufacturing Cost Structure Analysis of Ruthenium Precursors in 2025

Figure 77. Manufacturing Process Analysis of Ruthenium Precursors

Figure 78. Industry Chain Structure of Ruthenium Precursors

Figure 79. Channels of Distribution

Figure 80. Global Ruthenium Precursors Sales Market Forecast by Region (2026-2031)

Figure 81. Global Ruthenium Precursors Revenue Market Share Forecast by Region (2026-2031)

Figure 82. Global Ruthenium Precursors Sales Market Share Forecast by Type (2026-2031)

Figure 83. Global Ruthenium Precursors Revenue Market Share Forecast by Type (2026-2031)

Figure 84. Global Ruthenium Precursors Sales Market Share Forecast by Application (2026-2031)

Figure 85. Global Ruthenium Precursors Revenue Market Share Forecast by Application (2026-2031)

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