

Global Titanium-Based Photocatalyst Market Growth 2024-2030

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Abstracts

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A titanium-based photocatalyst is a material that harnesses the energy from light, typically sunlight or ultraviolet (UV) light, to drive chemical reactions. The most common and widely studied titanium-based photocatalyst is titanium dioxide (TiO₂). When exposed to light, TiO₂ generates electron-hole pairs that can initiate oxidation and reduction reactions on its surface. This property makes titanium-based photocatalysts highly effective for applications such as environmental purification, where they can break down pollutants, organic compounds, and harmful bacteria in water and air. Additionally, they are used in self-cleaning surfaces, anti-fogging coatings, and in the production of hydrogen fuel through water splitting. The photocatalytic activity of titanium dioxide is influenced by factors such as particle size, crystal structure, and the presence of dopants, which can enhance its efficiency under different light conditions.

The global Titanium-Based Photocatalyst market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Titanium-Based Photocatalyst Industry Forecast" looks at past sales and reviews total world Titanium-Based Photocatalyst sales in 2023, providing a comprehensive analysis by region and market sector of projected Titanium-Based Photocatalyst sales for 2024 through 2030. With Titanium-Based Photocatalyst sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Titanium-Based Photocatalyst industry.

This Insight Report provides a comprehensive analysis of the global Titanium-Based Photocatalyst 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 Titanium-Based Photocatalyst portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Titanium-Based Photocatalyst market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Titanium-Based Photocatalyst and breaks down the forecast by Crystalline Form, 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 Titanium-Based Photocatalyst.

United States market for Titanium-Based Photocatalyst is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Titanium-Based Photocatalyst is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Titanium-Based Photocatalyst is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Titanium-Based Photocatalyst players cover Chemours, Venator Materials, Kronos Worldwide, Japan Photocatalyst Center, TAYCA, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Titanium-Based Photocatalyst market by product type, application, key manufacturers and key regions and countries.

Segmentation by Crystalline Form:

Rutile Type

Anatase Type

Segmentation by Application:

Building Materials

Air Purification

Health and Medical

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.

Chemours

Venator Materials

Kronos Worldwide

Japan Photocatalyst Center

TAYCA

Daicel Miraizu

Tronox

Ishihara Sangyo Kaisha

Okitsumo Incorporated

Shin-Etsu Chemical

Biomimic

Key Questions Addressed in this Report

What is the 10-year outlook for the global Titanium-Based Photocatalyst market?

What factors are driving Titanium-Based Photocatalyst market growth, globally and by region?

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

How do Titanium-Based Photocatalyst market opportunities vary by end market size?

How does Titanium-Based Photocatalyst break out by Crystalline Form, 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 Titanium-Based Photocatalyst Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Titanium-Based Photocatalyst by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Titanium-Based Photocatalyst by Country/Region, 2019, 2023 & 2030
- 2.2 Titanium-Based Photocatalyst Segment by Crystalline Form
 - 2.2.1 Rutile Type
 - 2.2.2 Anatase Type
- 2.3 Titanium-Based Photocatalyst Sales by Crystalline Form
 - 2.3.1 Global Titanium-Based Photocatalyst Sales Market Share by Crystalline Form (2019-2024)
 - 2.3.2 Global Titanium-Based Photocatalyst Revenue and Market Share by Crystalline Form (2019-2024)
 - 2.3.3 Global Titanium-Based Photocatalyst Sale Price by Crystalline Form (2019-2024)
- 2.4 Titanium-Based Photocatalyst Segment by Application
 - 2.4.1 Building Materials
 - 2.4.2 Air Purification
 - 2.4.3 Health and Medical
 - 2.4.4 Others
- 2.5 Titanium-Based Photocatalyst Sales by Application
 - 2.5.1 Global Titanium-Based Photocatalyst Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Titanium-Based Photocatalyst Revenue and Market Share by Application

(2019-2024)

2.5.3 Global Titanium-Based Photocatalyst Sale Price by Application (2019-2024)

3 GLOBAL BY COMPANY

3.1 Global Titanium-Based Photocatalyst Breakdown Data by Company

3.1.1 Global Titanium-Based Photocatalyst Annual Sales by Company (2019-2024)

3.1.2 Global Titanium-Based Photocatalyst Sales Market Share by Company
(2019-2024)

3.2 Global Titanium-Based Photocatalyst Annual Revenue by Company (2019-2024)

3.2.1 Global Titanium-Based Photocatalyst Revenue by Company (2019-2024)

3.2.2 Global Titanium-Based Photocatalyst Revenue Market Share by Company
(2019-2024)

3.3 Global Titanium-Based Photocatalyst Sale Price by Company

3.4 Key Manufacturers Titanium-Based Photocatalyst Producing Area Distribution,
Sales Area, Product Type

3.4.1 Key Manufacturers Titanium-Based Photocatalyst Product Location Distribution

3.4.2 Players Titanium-Based Photocatalyst Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR TITANIUM-BASED PHOTOCATALYST BY GEOGRAPHIC REGION

4.1 World Historic Titanium-Based Photocatalyst Market Size by Geographic Region
(2019-2024)

4.1.1 Global Titanium-Based Photocatalyst Annual Sales by Geographic Region
(2019-2024)

4.1.2 Global Titanium-Based Photocatalyst Annual Revenue by Geographic Region
(2019-2024)

4.2 World Historic Titanium-Based Photocatalyst Market Size by Country/Region
(2019-2024)

4.2.1 Global Titanium-Based Photocatalyst Annual Sales by Country/Region
(2019-2024)

4.2.2 Global Titanium-Based Photocatalyst Annual Revenue by Country/Region
(2019-2024)

- 4.3 Americas Titanium-Based Photocatalyst Sales Growth
- 4.4 APAC Titanium-Based Photocatalyst Sales Growth
- 4.5 Europe Titanium-Based Photocatalyst Sales Growth
- 4.6 Middle East & Africa Titanium-Based Photocatalyst Sales Growth

5 AMERICAS

- 5.1 Americas Titanium-Based Photocatalyst Sales by Country
 - 5.1.1 Americas Titanium-Based Photocatalyst Sales by Country (2019-2024)
 - 5.1.2 Americas Titanium-Based Photocatalyst Revenue by Country (2019-2024)
- 5.2 Americas Titanium-Based Photocatalyst Sales by Crystalline Form (2019-2024)
- 5.3 Americas Titanium-Based Photocatalyst Sales by Application (2019-2024)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Titanium-Based Photocatalyst Sales by Region
 - 6.1.1 APAC Titanium-Based Photocatalyst Sales by Region (2019-2024)
 - 6.1.2 APAC Titanium-Based Photocatalyst Revenue by Region (2019-2024)
- 6.2 APAC Titanium-Based Photocatalyst Sales by Crystalline Form (2019-2024)
- 6.3 APAC Titanium-Based Photocatalyst Sales by Application (2019-2024)
- 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 Titanium-Based Photocatalyst by Country
 - 7.1.1 Europe Titanium-Based Photocatalyst Sales by Country (2019-2024)
 - 7.1.2 Europe Titanium-Based Photocatalyst Revenue by Country (2019-2024)
- 7.2 Europe Titanium-Based Photocatalyst Sales by Crystalline Form (2019-2024)
- 7.3 Europe Titanium-Based Photocatalyst Sales by Application (2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Titanium-Based Photocatalyst by Country

8.1.1 Middle East & Africa Titanium-Based Photocatalyst Sales by Country
(2019-2024)

8.1.2 Middle East & Africa Titanium-Based Photocatalyst Revenue by Country
(2019-2024)

8.2 Middle East & Africa Titanium-Based Photocatalyst Sales by Crystalline Form
(2019-2024)

8.3 Middle East & Africa Titanium-Based Photocatalyst Sales by Application
(2019-2024)

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 Titanium-Based Photocatalyst

10.3 Manufacturing Process Analysis of Titanium-Based Photocatalyst

10.4 Industry Chain Structure of Titanium-Based Photocatalyst

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

- 11.1.1 Direct Channels
- 11.1.2 Indirect Channels
- 11.2 Titanium-Based Photocatalyst Distributors
- 11.3 Titanium-Based Photocatalyst Customer

12 WORLD FORECAST REVIEW FOR TITANIUM-BASED PHOTOCATALYST BY GEOGRAPHIC REGION

- 12.1 Global Titanium-Based Photocatalyst Market Size Forecast by Region
 - 12.1.1 Global Titanium-Based Photocatalyst Forecast by Region (2025-2030)
 - 12.1.2 Global Titanium-Based Photocatalyst Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country (2025-2030)
- 12.3 APAC Forecast by Region (2025-2030)
- 12.4 Europe Forecast by Country (2025-2030)
- 12.5 Middle East & Africa Forecast by Country (2025-2030)
- 12.6 Global Titanium-Based Photocatalyst Forecast by Crystalline Form (2025-2030)
- 12.7 Global Titanium-Based Photocatalyst Forecast by Application (2025-2030)

13 KEY PLAYERS ANALYSIS

- 13.1 Chemours
 - 13.1.1 Chemours Company Information
 - 13.1.2 Chemours Titanium-Based Photocatalyst Product Portfolios and Specifications
 - 13.1.3 Chemours Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.1.4 Chemours Main Business Overview
 - 13.1.5 Chemours Latest Developments
- 13.2 Venator Materials
 - 13.2.1 Venator Materials Company Information
 - 13.2.2 Venator Materials Titanium-Based Photocatalyst Product Portfolios and Specifications
 - 13.2.3 Venator Materials Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.2.4 Venator Materials Main Business Overview
 - 13.2.5 Venator Materials Latest Developments
- 13.3 Kronos Worldwide
 - 13.3.1 Kronos Worldwide Company Information
 - 13.3.2 Kronos Worldwide Titanium-Based Photocatalyst Product Portfolios and

Specifications

13.3.3 Kronos Worldwide Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Kronos Worldwide Main Business Overview

13.3.5 Kronos Worldwide Latest Developments

13.4 Japan Photocatalyst Center

13.4.1 Japan Photocatalyst Center Company Information

13.4.2 Japan Photocatalyst Center Titanium-Based Photocatalyst Product Portfolios and Specifications

13.4.3 Japan Photocatalyst Center Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 Japan Photocatalyst Center Main Business Overview

13.4.5 Japan Photocatalyst Center Latest Developments

13.5 TAYCA

13.5.1 TAYCA Company Information

13.5.2 TAYCA Titanium-Based Photocatalyst Product Portfolios and Specifications

13.5.3 TAYCA Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 TAYCA Main Business Overview

13.5.5 TAYCA Latest Developments

13.6 Daicel Miraizu

13.6.1 Daicel Miraizu Company Information

13.6.2 Daicel Miraizu Titanium-Based Photocatalyst Product Portfolios and Specifications

13.6.3 Daicel Miraizu Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Daicel Miraizu Main Business Overview

13.6.5 Daicel Miraizu Latest Developments

13.7 Tronox

13.7.1 Tronox Company Information

13.7.2 Tronox Titanium-Based Photocatalyst Product Portfolios and Specifications

13.7.3 Tronox Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Tronox Main Business Overview

13.7.5 Tronox Latest Developments

13.8 Ishihara Sangyo Kaisha

13.8.1 Ishihara Sangyo Kaisha Company Information

13.8.2 Ishihara Sangyo Kaisha Titanium-Based Photocatalyst Product Portfolios and Specifications

13.8.3 Ishihara Sangyo Kaisha Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Ishihara Sangyo Kaisha Main Business Overview

13.8.5 Ishihara Sangyo Kaisha Latest Developments

13.9 Okitsumo Incorporated

13.9.1 Okitsumo Incorporated Company Information

13.9.2 Okitsumo Incorporated Titanium-Based Photocatalyst Product Portfolios and Specifications

13.9.3 Okitsumo Incorporated Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Okitsumo Incorporated Main Business Overview

13.9.5 Okitsumo Incorporated Latest Developments

13.10 Shin-Etsu Chemical

13.10.1 Shin-Etsu Chemical Company Information

13.10.2 Shin-Etsu Chemical Titanium-Based Photocatalyst Product Portfolios and Specifications

13.10.3 Shin-Etsu Chemical Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Shin-Etsu Chemical Main Business Overview

13.10.5 Shin-Etsu Chemical Latest Developments

13.11 Biomimic

13.11.1 Biomimic Company Information

13.11.2 Biomimic Titanium-Based Photocatalyst Product Portfolios and Specifications

13.11.3 Biomimic Titanium-Based Photocatalyst Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Biomimic Main Business Overview

13.11.5 Biomimic Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

LIST OF TABLES

Table 1. Titanium-Based Photocatalyst Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Titanium-Based Photocatalyst Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Rutile Type

Table 4. Major Players of Anatase Type

Table 5. GlobalTitanium-Based Photocatalyst Sales by CrystallineForm (2019-2024) & (Tons)

Table 6. GlobalTitanium-Based Photocatalyst Sales Market Share by CrystallineForm (2019-2024)

Table 7. GlobalTitanium-Based Photocatalyst Revenue by CrystallineForm (2019-2024) & (\$ million)

Table 8. GlobalTitanium-Based Photocatalyst Revenue Market Share by CrystallineForm (2019-2024)

Table 9. GlobalTitanium-Based Photocatalyst Sale Price by CrystallineForm (2019-2024) & (US\$/Ton)

Table 10. GlobalTitanium-Based Photocatalyst Sale by Application (2019-2024) & (Tons)

Table 11. GlobalTitanium-Based Photocatalyst Sale Market Share by Application (2019-2024)

Table 12. GlobalTitanium-Based Photocatalyst Revenue by Application (2019-2024) & (\$ million)

Table 13. GlobalTitanium-Based Photocatalyst Revenue Market Share by Application (2019-2024)

Table 14. GlobalTitanium-Based Photocatalyst Sale Price by Application (2019-2024) & (US\$/Ton)

Table 15. GlobalTitanium-Based Photocatalyst Sales by Company (2019-2024) & (Tons)

Table 16. GlobalTitanium-Based Photocatalyst Sales Market Share by Company (2019-2024)

Table 17. GlobalTitanium-Based Photocatalyst Revenue by Company (2019-2024) & (\$ millions)

Table 18. GlobalTitanium-Based Photocatalyst Revenue Market Share by Company (2019-2024)

Table 19. GlobalTitanium-Based Photocatalyst Sale Price by Company (2019-2024) & (US\$/Ton)

Table 20. Key ManufacturersTitanium-Based Photocatalyst Producing Area Distribution and Sales Area

Table 21. PlayersTitanium-Based Photocatalyst Products Offered

Table 22. Titanium-Based Photocatalyst Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. GlobalTitanium-Based Photocatalyst Sales by Geographic Region (2019-2024) & (Tons)

Table 26. GlobalTitanium-Based Photocatalyst Sales Market Share Geographic Region (2019-2024)

Table 27. GlobalTitanium-Based Photocatalyst Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. GlobalTitanium-Based Photocatalyst Revenue Market Share by Geographic Region (2019-2024)

Table 29. GlobalTitanium-Based Photocatalyst Sales by Country/Region (2019-2024) & (Tons)

Table 30. GlobalTitanium-Based Photocatalyst Sales Market Share by Country/Region (2019-2024)

Table 31. GlobalTitanium-Based Photocatalyst Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. GlobalTitanium-Based Photocatalyst Revenue Market Share by Country/Region (2019-2024)

Table 33. AmericasTitanium-Based Photocatalyst Sales by Country (2019-2024) & (Tons)

Table 34. AmericasTitanium-Based Photocatalyst Sales Market Share by Country (2019-2024)

Table 35. AmericasTitanium-Based Photocatalyst Revenue by Country (2019-2024) & (\$ millions)

Table 36. AmericasTitanium-Based Photocatalyst Sales by CrystallineForm (2019-2024) & (Tons)

Table 37. AmericasTitanium-Based Photocatalyst Sales by Application (2019-2024) & (Tons)

Table 38. APACTitanium-Based Photocatalyst Sales by Region (2019-2024) & (Tons)

Table 39. APACTitanium-Based Photocatalyst Sales Market Share by Region (2019-2024)

Table 40. APACTitanium-Based Photocatalyst Revenue by Region (2019-2024) & (\$ millions)

Table 41. APACTitanium-Based Photocatalyst Sales by CrystallineForm (2019-2024) & (Tons)

Table 42. APACTitanium-Based Photocatalyst Sales by Application (2019-2024) & (Tons)

Table 43. EuropeTitanium-Based Photocatalyst Sales by Country (2019-2024) & (Tons)

Table 44. EuropeTitanium-Based Photocatalyst Revenue by Country (2019-2024) & (\$ millions)

Table 45. EuropeTitanium-Based Photocatalyst Sales by CrystallineForm (2019-2024) & (Tons)

Table 46. EuropeTitanium-Based Photocatalyst Sales by Application (2019-2024) &

(Tons)

Table 47. Middle East & Africa Titanium-Based Photocatalyst Sales by Country (2019-2024) & (Tons)

Table 48. Middle East & Africa Titanium-Based Photocatalyst Revenue Market Share by Country (2019-2024)

Table 49. Middle East & Africa Titanium-Based Photocatalyst Sales by Crystalline Form (2019-2024) & (Tons)

Table 50. Middle East & Africa Titanium-Based Photocatalyst Sales by Application (2019-2024) & (Tons)

Table 51. Key Market Drivers & Growth Opportunities of Titanium-Based Photocatalyst

Table 52. Key Market Challenges & Risks of Titanium-Based Photocatalyst

Table 53. Key Industry Trends of Titanium-Based Photocatalyst

Table 54. Titanium-Based Photocatalyst Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Titanium-Based Photocatalyst Distributors List

Table 57. Titanium-Based Photocatalyst Customer List

Table 58. Global Titanium-Based Photocatalyst Sales Forecast by Region (2025-2030) & (Tons)

Table 59. Global Titanium-Based Photocatalyst Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 60. Americas Titanium-Based Photocatalyst Sales Forecast by Country (2025-2030) & (Tons)

Table 61. Americas Titanium-Based Photocatalyst Annual Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 62. APAC Titanium-Based Photocatalyst Sales Forecast by Region (2025-2030) & (Tons)

Table 63. APAC Titanium-Based Photocatalyst Annual Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 64. Europe Titanium-Based Photocatalyst Sales Forecast by Country (2025-2030) & (Tons)

Table 65. Europe Titanium-Based Photocatalyst Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 66. Middle East & Africa Titanium-Based Photocatalyst Sales Forecast by Country (2025-2030) & (Tons)

Table 67. Middle East & Africa Titanium-Based Photocatalyst Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. Global Titanium-Based Photocatalyst Sales Forecast by Crystalline Form (2025-2030) & (Tons)

Table 69. Global Titanium-Based Photocatalyst Revenue Forecast by Crystalline Form

(2025-2030) & (\$ millions)

Table 70. Global Titanium-Based Photocatalyst Sales Forecast by Application

(2025-2030) & (Tons)

Table 71. Global Titanium-Based Photocatalyst Revenue Forecast by Application

(2025-2030) & (\$ millions)

Table 72. Chemours Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 73. Chemours Titanium-Based Photocatalyst Product Portfolios and Specifications

Table 74. Chemours Titanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 75. Chemours Main Business

Table 76. Chemours Latest Developments

Table 77. Venator Materials Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 78. Venator Materials Titanium-Based Photocatalyst Product Portfolios and Specifications

Table 79. Venator Materials Titanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 80. Venator Materials Main Business

Table 81. Venator Materials Latest Developments

Table 82. Kronos Worldwide Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 83. Kronos Worldwide Titanium-Based Photocatalyst Product Portfolios and Specifications

Table 84. Kronos Worldwide Titanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 85. Kronos Worldwide Main Business

Table 86. Kronos Worldwide Latest Developments

Table 87. Japan Photocatalyst Center Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 88. Japan Photocatalyst Center Titanium-Based Photocatalyst Product Portfolios and Specifications

Table 89. Japan Photocatalyst Center Titanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 90. Japan Photocatalyst Center Main Business

Table 91. Japan Photocatalyst Center Latest Developments

Table 92. TAYCA Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 93. TAYCA Titanium-Based Photocatalyst Product Portfolios and Specifications

Table 94. TAYCATitanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 95. TAYCA Main Business

Table 96. TAYCA Latest Developments

Table 97. Daicel Miraizu Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 98. Daicel MiraizuTitanium-Based Photocatalyst Product Portfolios and Specifications

Table 99. Daicel MiraizuTitanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 100. Daicel Miraizu Main Business

Table 101. Daicel Miraizu Latest Developments

Table 102. Tronox Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 103. TronoxTitanium-Based Photocatalyst Product Portfolios and Specifications

Table 104. TronoxTitanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 105. Tronox Main Business

Table 106. Tronox Latest Developments

Table 107. Ishihara Sangyo Kaisha Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 108. Ishihara Sangyo KaishaTitanium-Based Photocatalyst Product Portfolios and Specifications

Table 109. Ishihara Sangyo KaishaTitanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 110. Ishihara Sangyo Kaisha Main Business

Table 111. Ishihara Sangyo Kaisha Latest Developments

Table 112. Okitsumo Incorporated Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 113. Okitsumo IncorporatedTitanium-Based Photocatalyst Product Portfolios and Specifications

Table 114. Okitsumo IncorporatedTitanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 115. Okitsumo Incorporated Main Business

Table 116. Okitsumo Incorporated Latest Developments

Table 117. Shin-Etsu Chemical Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 118. Shin-Etsu ChemicalTitanium-Based Photocatalyst Product Portfolios and Specifications

Table 119. Shin-Etsu Chemical Titanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 120. Shin-Etsu Chemical Main Business

Table 121. Shin-Etsu Chemical Latest Developments

Table 122. Biomimic Basic Information, Titanium-Based Photocatalyst Manufacturing Base, Sales Area and Its Competitors

Table 123. Biomimic Titanium-Based Photocatalyst Product Portfolios and Specifications

Table 124. Biomimic Titanium-Based Photocatalyst Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 125. Biomimic Main Business

Table 126. Biomimic Latest Developments

LIST OFFIGURES

Figure 1. Picture of Titanium-Based Photocatalyst

Figure 2. Titanium-Based Photocatalyst Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Titanium-Based Photocatalyst Sales Growth Rate 2019-2030 (Tons)

Figure 7. Global Titanium-Based Photocatalyst Revenue Growth Rate 2019-2030 (\$ millions)

Figure 8. Titanium-Based Photocatalyst Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Figure 9. Titanium-Based Photocatalyst Sales Market Share by Country/Region (2023)

Figure 10. Titanium-Based Photocatalyst Sales Market Share by Country/Region (2019, 2023 & 2030)

Figure 11. Product Picture of Rutile Type

Figure 12. Product Picture of Anatase Type

Figure 13. Global Titanium-Based Photocatalyst Sales Market Share by Crystalline Form in 2023

Figure 14. Global Titanium-Based Photocatalyst Revenue Market Share by Crystalline Form (2019-2024)

Figure 15. Titanium-Based Photocatalyst Consumed in Building Materials

Figure 16. Global Titanium-Based Photocatalyst Market: Building Materials (2019-2024) & (Tons)

Figure 17. Titanium-Based Photocatalyst Consumed in Air Purification

Figure 18. GlobalTitanium-Based Photocatalyst Market: Air Purification (2019-2024) & (Tons)

Figure 19. Titanium-Based Photocatalyst Consumed in Health and Medical

Figure 20. GlobalTitanium-Based Photocatalyst Market: Health and Medical (2019-2024) & (Tons)

Figure 21. Titanium-Based Photocatalyst Consumed in Others

Figure 22. GlobalTitanium-Based Photocatalyst Market: Others (2019-2024) & (Tons)

Figure 23. GlobalTitanium-Based Photocatalyst Sale Market Share by Application (2023)

Figure 24. GlobalTitanium-Based Photocatalyst Revenue Market Share by Application in 2023

Figure 25. Titanium-Based Photocatalyst Sales by Company in 2023 (Tons)

Figure 26. GlobalTitanium-Based Photocatalyst Sales Market Share by Company in 2023

Figure 27. Titanium-Based Photocatalyst Revenue by Company in 2023 (\$ millions)

Figure 28. GlobalTitanium-Based Photocatalyst Revenue Market Share by Company in 2023

Figure 29. GlobalTitanium-Based Photocatalyst Sales Market Share by Geographic Region (2019-2024)

Figure 30. GlobalTitanium-Based Photocatalyst Revenue Market Share by Geographic Region in 2023

Figure 31. AmericasTitanium-Based Photocatalyst Sales 2019-2024 (Tons)

Figure 32. AmericasTitanium-Based Photocatalyst Revenue 2019-2024 (\$ millions)

Figure 33. APACTitanium-Based Photocatalyst Sales 2019-2024 (Tons)

Figure 34. APACTitanium-Based Photocatalyst Revenue 2019-2024 (\$ millions)

Figure 35. EuropeTitanium-Based Photocatalyst Sales 2019-2024 (Tons)

Figure 36. EuropeTitanium-Based Photocatalyst Revenue 2019-2024 (\$ millions)

Figure 37. Middle East & AfricaTitanium-Based Photocatalyst Sales 2019-2024 (Tons)

Figure 38. Middle East & AfricaTitanium-Based Photocatalyst Revenue 2019-2024 (\$ millions)

Figure 39. AmericasTitanium-Based Photocatalyst Sales Market Share by Country in 2023

Figure 40. AmericasTitanium-Based Photocatalyst Revenue Market Share by Country (2019-2024)

Figure 41. AmericasTitanium-Based Photocatalyst Sales Market Share by CrystallineForm (2019-2024)

Figure 42. AmericasTitanium-Based Photocatalyst Sales Market Share by Application (2019-2024)

Figure 43. United StatesTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$

millions)

Figure 44. CanadaTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 45. MexicoTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 46. BrazilTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 47. APACTitanium-Based Photocatalyst Sales Market Share by Region in 2023

Figure 48. APACTitanium-Based Photocatalyst Revenue Market Share by Region (2019-2024)

Figure 49. APACTitanium-Based Photocatalyst Sales Market Share by CrystallineForm (2019-2024)

Figure 50. APACTitanium-Based Photocatalyst Sales Market Share by Application (2019-2024)

Figure 51. ChinaTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 52. JapanTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 53. South KoreaTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 54. Southeast AsiaTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 55. IndiaTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 56. AustraliaTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 57. ChinaTaiwanTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 58. EuropeTitanium-Based Photocatalyst Sales Market Share by Country in 2023

Figure 59. EuropeTitanium-Based Photocatalyst Revenue Market Share by Country (2019-2024)

Figure 60. EuropeTitanium-Based Photocatalyst Sales Market Share by CrystallineForm (2019-2024)

Figure 61. EuropeTitanium-Based Photocatalyst Sales Market Share by Application (2019-2024)

Figure 62. GermanyTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 63. FranceTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 64. UKTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 65. ItalyTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 66. RussiaTitanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 67. Middle East & Africa Titanium-Based Photocatalyst Sales Market Share by Country (2019-2024)

Figure 68. Middle East & Africa Titanium-Based Photocatalyst Sales Market Share by Crystalline Form (2019-2024)

Figure 69. Middle East & Africa Titanium-Based Photocatalyst Sales Market Share by Application (2019-2024)

Figure 70. Egypt Titanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 71. South Africa Titanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 72. Israel Titanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 73. Turkey Titanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 74. GCC Countries Titanium-Based Photocatalyst Revenue Growth 2019-2024 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Titanium-Based Photocatalyst in 2023

Figure 76. Manufacturing Process Analysis of Titanium-Based Photocatalyst

Figure 77. Industry Chain Structure of Titanium-Based Photocatalyst

Figure 78. Channels of Distribution

Figure 79. Global Titanium-Based Photocatalyst Sales Market Forecast by Region (2025-2030)

Figure 80. Global Titanium-Based Photocatalyst Revenue Market Share Forecast by Region (2025-2030)

Figure 81. Global Titanium-Based Photocatalyst Sales Market Share Forecast by Crystalline Form (2025-2030)

Figure 82. Global Titanium-Based Photocatalyst Revenue Market Share Forecast by Crystalline Form (2025-2030)

Figure 83. Global Titanium-Based Photocatalyst Sales Market Share Forecast by Application (2025-2030)

Figure 84. Global Titanium-Based Photocatalyst Revenue Market Share Forecast by Application (2025-2030)

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