

Global High-K Metal Precursors Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G7138C15B346EN.html>

Date: August 2026

Pages: 125

Price: US\$ 3,480.00 (Single User License)

ID: G7138C15B346EN

Abstracts

According to our (Global Info Research) latest study, the global High-K Metal Precursors market size was valued at US\$ 616 million in 2025 and is forecast to a readjusted size of US\$ 931 million by 2032 with a CAGR of 6.1% during review period.

High-k metal precursors are organometallic or inorganic metal compounds used to fabricate high-dielectric-constant (high-k) metal oxide, metal nitride, or metal silicate thin films; they serve as critical precursor materials in semiconductor thin-film deposition processes. Typically acting as metal sources in Chemical Vapor Deposition (CVD), Plasma-Enhanced Chemical Vapor Deposition (PECVD), or Atomic Layer Deposition (ALD) processes, these materials form ultrathin functional layers with high dielectric properties on wafer surfaces through vapor-phase transport and surface reactions. In 2025, the global sales volume of high-k metal precursors reached 304 tons, with a production capacity of approximately 400 tons; the average selling price was \$1,970 per kilogram, and the average gross profit margin ranged from 40% to 50%.

The upstream segment of the industry chain primarily comprises suppliers of metal resources, organic ligands, and basic chemical raw materials. This includes raw materials such as metal compounds (hafnium, zirconium, aluminum, lanthanum, titanium, etc.) and organic ligands (alcohols, amines, β -diketones, etc.) that provide the foundational inputs for precursor synthesis. The midstream segment consists of manufacturers of high-k metal precursor materials responsible for the design, synthesis, precision purification, packaging, filling, and quality testing of these compounds. Their products—including hafnium-based, zirconium-based, and aluminum-based precursors—are utilized in ALD and CVD thin-film deposition processes. The downstream segment primarily involves semiconductor wafer manufacturers and

advanced chip production facilities.

The restructuring of the global semiconductor supply chain and intensifying competition in advanced manufacturing have continuously elevated the importance of critical electronic materials. The United States, Europe, Japan, and South Korea are all leveraging industry support policies to build advanced manufacturing capabilities and secure supply chains for critical materials. In recent years, China has consistently promoted the localization of semiconductor materials, prioritizing breakthroughs in high-purity electronic chemicals, advanced thin-film materials, and semiconductor precursors, while encouraging domestic enterprises to increase R&D investment and accelerate industrialization. Meanwhile, the ongoing expansion of advanced-node production lines at global wafer fabs is driving an increase in ALD equipment installations, further boosting market demand for high-k metal precursors.

This report is a detailed and comprehensive analysis for global High-K Metal Precursors 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 High-K Metal Precursors market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global High-K Metal Precursors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global High-K Metal Precursors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global High-K Metal Precursors market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2021-2026

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 High-K Metal Precursors

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 High-K Metal Precursors 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 Air Liquide, DNF, Nanmat Technology, Entegris, UP Chemical, Soulbrain, Hansol Chemical, SK Materials, Gelest, Merck KGaA, etc.

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

Market Segmentation

High-K Metal Precursors market is split by Type and by Application. For the period 2021-2032, 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

Hafnium Precursors

Zirconium Precursors

Aluminum Precursors

Titanium Precursors

Lanthanum Precursors

Tantalum Precursors

Others

Market segment by Deposition Process

ALD Precursors

CVD Precursors

Others

Market segment by Dielectric Properties

8?15 K

15?30 K

?30 K

Market segment by Application

Logic Chips

Memory Chips

Others

Major players covered

Air Liquide

DNF

Nanmat Technology

Entegris

UP Chemical

Soulbrain

Hansol Chemical

SK Materials

Gelest

Merck KGaA

Yoke Technology

Hefei Andekeming

Nata Opto-electronic

Zenfan Technology

Anhui Botai

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 High-K Metal Precursors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High-K Metal Precursors, with price, sales quantity, revenue, and global market share of High-K Metal Precursors from 2021 to 2026.

Chapter 3, the High-K Metal Precursors competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High-K Metal Precursors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and High-K Metal Precursors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 High-K Metal Precursors.

Chapter 14 and 15, to describe High-K Metal Precursors sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global High-K Metal Precursors Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Hafnium Precursors

1.3.3 Zirconium Precursors

1.3.4 Aluminum Precursors

1.3.5 Titanium Precursors

1.3.6 Lanthanum Precursors

1.3.7 Tantalum Precursors

1.3.8 Others

1.4 Market Analysis by Deposition Process

1.4.1 Overview: Global High-K Metal Precursors Consumption Value by Deposition Process: 2021 Versus 2025 Versus 2032

1.4.2 ALD Precursors

1.4.3 CVD Precursors

1.4.4 Others

1.5 Market Analysis by Dielectric Properties

1.5.1 Overview: Global High-K Metal Precursors Consumption Value by Dielectric Properties: 2021 Versus 2025 Versus 2032

1.5.2 8?15 K

1.5.3 15?30 K

1.5.4 ?30 K

1.6 Market Analysis by Application

1.6.1 Overview: Global High-K Metal Precursors Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Logic Chips

1.6.3 Memory Chips

1.6.4 Others

1.7 Global High-K Metal Precursors Market Size & Forecast

1.7.1 Global High-K Metal Precursors Consumption Value (2021 & 2025 & 2032)

1.7.2 Global High-K Metal Precursors Sales Quantity (2021-2032)

1.7.3 Global High-K Metal Precursors Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Air Liquide

2.1.1 Air Liquide Details

2.1.2 Air Liquide Major Business

2.1.3 Air Liquide High-K Metal Precursors Product and Services

2.1.4 Air Liquide High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Air Liquide Recent Developments/Updates

2.2 DNF

2.2.1 DNF Details

2.2.2 DNF Major Business

2.2.3 DNF High-K Metal Precursors Product and Services

2.2.4 DNF High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 DNF Recent Developments/Updates

2.3 Nanmat Technology

2.3.1 Nanmat Technology Details

2.3.2 Nanmat Technology Major Business

2.3.3 Nanmat Technology High-K Metal Precursors Product and Services

2.3.4 Nanmat Technology High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Nanmat Technology Recent Developments/Updates

2.4 Entegris

2.4.1 Entegris Details

2.4.2 Entegris Major Business

2.4.3 Entegris High-K Metal Precursors Product and Services

2.4.4 Entegris High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Entegris Recent Developments/Updates

2.5 UP Chemical

2.5.1 UP Chemical Details

2.5.2 UP Chemical Major Business

2.5.3 UP Chemical High-K Metal Precursors Product and Services

2.5.4 UP Chemical High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 UP Chemical Recent Developments/Updates

2.6 Soulbrain

2.6.1 Soulbrain Details

- 2.6.2 Soulbrain Major Business
- 2.6.3 Soulbrain High-K Metal Precursors Product and Services
- 2.6.4 Soulbrain High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 Soulbrain Recent Developments/Updates
- 2.7 Hansol Chemical
 - 2.7.1 Hansol Chemical Details
 - 2.7.2 Hansol Chemical Major Business
 - 2.7.3 Hansol Chemical High-K Metal Precursors Product and Services
 - 2.7.4 Hansol Chemical High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 Hansol Chemical Recent Developments/Updates
- 2.8 SK Materials
 - 2.8.1 SK Materials Details
 - 2.8.2 SK Materials Major Business
 - 2.8.3 SK Materials High-K Metal Precursors Product and Services
 - 2.8.4 SK Materials High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 SK Materials Recent Developments/Updates
- 2.9 Gelest
 - 2.9.1 Gelest Details
 - 2.9.2 Gelest Major Business
 - 2.9.3 Gelest High-K Metal Precursors Product and Services
 - 2.9.4 Gelest High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Gelest Recent Developments/Updates
- 2.10 Merck KGaA
 - 2.10.1 Merck KGaA Details
 - 2.10.2 Merck KGaA Major Business
 - 2.10.3 Merck KGaA High-K Metal Precursors Product and Services
 - 2.10.4 Merck KGaA High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Merck KGaA Recent Developments/Updates
- 2.11 Yoke Technology
 - 2.11.1 Yoke Technology Details
 - 2.11.2 Yoke Technology Major Business
 - 2.11.3 Yoke Technology High-K Metal Precursors Product and Services
 - 2.11.4 Yoke Technology High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

- 2.11.5 Yoke Technology Recent Developments/Updates
- 2.12 Hefei Andekeming
 - 2.12.1 Hefei Andekeming Details
 - 2.12.2 Hefei Andekeming Major Business
 - 2.12.3 Hefei Andekeming High-K Metal Precursors Product and Services
 - 2.12.4 Hefei Andekeming High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.12.5 Hefei Andekeming Recent Developments/Updates
- 2.13 Nata Opto-electronic
 - 2.13.1 Nata Opto-electronic Details
 - 2.13.2 Nata Opto-electronic Major Business
 - 2.13.3 Nata Opto-electronic High-K Metal Precursors Product and Services
 - 2.13.4 Nata Opto-electronic High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 Nata Opto-electronic Recent Developments/Updates
- 2.14 Zenfan Technology
 - 2.14.1 Zenfan Technology Details
 - 2.14.2 Zenfan Technology Major Business
 - 2.14.3 Zenfan Technology High-K Metal Precursors Product and Services
 - 2.14.4 Zenfan Technology High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.14.5 Zenfan Technology Recent Developments/Updates
- 2.15 Anhui Botai
 - 2.15.1 Anhui Botai Details
 - 2.15.2 Anhui Botai Major Business
 - 2.15.3 Anhui Botai High-K Metal Precursors Product and Services
 - 2.15.4 Anhui Botai High-K Metal Precursors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.15.5 Anhui Botai Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: HIGH-K METAL PRECURSORS BY MANUFACTURER

- 3.1 Global High-K Metal Precursors Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global High-K Metal Precursors Revenue by Manufacturer (2021-2026)
- 3.3 Global High-K Metal Precursors Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of High-K Metal Precursors by Manufacturer Revenue (\$MM) and Market Share (%): 2025

- 3.4.2 Top 3 High-K Metal Precursors Manufacturer Market Share in 2025
- 3.4.3 Top 6 High-K Metal Precursors Manufacturer Market Share in 2025
- 3.5 High-K Metal Precursors Market: Overall Company Footprint Analysis
 - 3.5.1 High-K Metal Precursors Market: Region Footprint
 - 3.5.2 High-K Metal Precursors Market: Company Product Type Footprint
 - 3.5.3 High-K Metal Precursors Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global High-K Metal Precursors Market Size by Region
 - 4.1.1 Global High-K Metal Precursors Sales Quantity by Region (2021-2032)
 - 4.1.2 Global High-K Metal Precursors Consumption Value by Region (2021-2032)
 - 4.1.3 Global High-K Metal Precursors Average Price by Region (2021-2032)
- 4.2 North America High-K Metal Precursors Consumption Value (2021-2032)
- 4.3 Europe High-K Metal Precursors Consumption Value (2021-2032)
- 4.4 Asia-Pacific High-K Metal Precursors Consumption Value (2021-2032)
- 4.5 South America High-K Metal Precursors Consumption Value (2021-2032)
- 4.6 Middle East & Africa High-K Metal Precursors Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global High-K Metal Precursors Sales Quantity by Type (2021-2032)
- 5.2 Global High-K Metal Precursors Consumption Value by Type (2021-2032)
- 5.3 Global High-K Metal Precursors Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global High-K Metal Precursors Sales Quantity by Application (2021-2032)
- 6.2 Global High-K Metal Precursors Consumption Value by Application (2021-2032)
- 6.3 Global High-K Metal Precursors Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America High-K Metal Precursors Sales Quantity by Type (2021-2032)
- 7.2 North America High-K Metal Precursors Sales Quantity by Application (2021-2032)
- 7.3 North America High-K Metal Precursors Market Size by Country
 - 7.3.1 North America High-K Metal Precursors Sales Quantity by Country (2021-2032)

7.3.2 North America High-K Metal Precursors Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe High-K Metal Precursors Sales Quantity by Type (2021-2032)

8.2 Europe High-K Metal Precursors Sales Quantity by Application (2021-2032)

8.3 Europe High-K Metal Precursors Market Size by Country

8.3.1 Europe High-K Metal Precursors Sales Quantity by Country (2021-2032)

8.3.2 Europe High-K Metal Precursors Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific High-K Metal Precursors Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific High-K Metal Precursors Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific High-K Metal Precursors Market Size by Region

9.3.1 Asia-Pacific High-K Metal Precursors Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific High-K Metal Precursors Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America High-K Metal Precursors Sales Quantity by Type (2021-2032)

10.2 South America High-K Metal Precursors Sales Quantity by Application (2021-2032)

10.3 South America High-K Metal Precursors Market Size by Country

10.3.1 South America High-K Metal Precursors Sales Quantity by Country (2021-2032)

10.3.2 South America High-K Metal Precursors Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa High-K Metal Precursors Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa High-K Metal Precursors Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa High-K Metal Precursors Market Size by Country

11.3.1 Middle East & Africa High-K Metal Precursors Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa High-K Metal Precursors Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 High-K Metal Precursors Market Drivers

12.2 High-K Metal Precursors Market Restraints

12.3 High-K Metal Precursors Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of High-K Metal Precursors and Key Manufacturers

13.2 Manufacturing Costs Percentage of High-K Metal Precursors

13.3 High-K Metal Precursors Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 High-K Metal Precursors Typical Distributors

14.3 High-K Metal Precursors Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global High-K Metal Precursors Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global High-K Metal Precursors Consumption Value by Deposition Process, (USD Million), 2021 & 2025 & 2032

Table 3. Global High-K Metal Precursors Consumption Value by Dielectric Properties, (USD Million), 2021 & 2025 & 2032

Table 4. Global High-K Metal Precursors Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Air Liquide Basic Information, Manufacturing Base and Competitors

Table 6. Air Liquide Major Business

Table 7. Air Liquide High-K Metal Precursors Product and Services

Table 8. Air Liquide High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Air Liquide Recent Developments/Updates

Table 10. DNF Basic Information, Manufacturing Base and Competitors

Table 11. DNF Major Business

Table 12. DNF High-K Metal Precursors Product and Services

Table 13. DNF High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. DNF Recent Developments/Updates

Table 15. Nanmat Technology Basic Information, Manufacturing Base and Competitors

Table 16. Nanmat Technology Major Business

Table 17. Nanmat Technology High-K Metal Precursors Product and Services

Table 18. Nanmat Technology High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Nanmat Technology Recent Developments/Updates

Table 20. Entegris Basic Information, Manufacturing Base and Competitors

Table 21. Entegris Major Business

Table 22. Entegris High-K Metal Precursors Product and Services

Table 23. Entegris High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Entegris Recent Developments/Updates

Table 25. UP Chemical Basic Information, Manufacturing Base and Competitors

Table 26. UP Chemical Major Business

Table 27. UP Chemical High-K Metal Precursors Product and Services

Table 28. UP Chemical High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. UP Chemical Recent Developments/Updates

Table 30. Soulbrain Basic Information, Manufacturing Base and Competitors

Table 31. Soulbrain Major Business

Table 32. Soulbrain High-K Metal Precursors Product and Services

Table 33. Soulbrain High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Soulbrain Recent Developments/Updates

Table 35. Hansol Chemical Basic Information, Manufacturing Base and Competitors

Table 36. Hansol Chemical Major Business

Table 37. Hansol Chemical High-K Metal Precursors Product and Services

Table 38. Hansol Chemical High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Hansol Chemical Recent Developments/Updates

Table 40. SK Materials Basic Information, Manufacturing Base and Competitors

Table 41. SK Materials Major Business

Table 42. SK Materials High-K Metal Precursors Product and Services

Table 43. SK Materials High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. SK Materials Recent Developments/Updates

Table 45. Gelest Basic Information, Manufacturing Base and Competitors

Table 46. Gelest Major Business

Table 47. Gelest High-K Metal Precursors Product and Services

Table 48. Gelest High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Gelest Recent Developments/Updates

Table 50. Merck KGaA Basic Information, Manufacturing Base and Competitors

Table 51. Merck KGaA Major Business

Table 52. Merck KGaA High-K Metal Precursors Product and Services

Table 53. Merck KGaA High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Merck KGaA Recent Developments/Updates

Table 55. Yoke Technology Basic Information, Manufacturing Base and Competitors

Table 56. Yoke Technology Major Business

Table 57. Yoke Technology High-K Metal Precursors Product and Services

Table 58. Yoke Technology High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Yoke Technology Recent Developments/Updates

Table 60. Hefei Andekeming Basic Information, Manufacturing Base and Competitors

Table 61. Hefei Andekeming Major Business

Table 62. Hefei Andekeming High-K Metal Precursors Product and Services

Table 63. Hefei Andekeming High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. Hefei Andekeming Recent Developments/Updates

Table 65. Nata Opto-electronic Basic Information, Manufacturing Base and Competitors

Table 66. Nata Opto-electronic Major Business

Table 67. Nata Opto-electronic High-K Metal Precursors Product and Services

Table 68. Nata Opto-electronic High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 69. Nata Opto-electronic Recent Developments/Updates

Table 70. Zenfan Technology Basic Information, Manufacturing Base and Competitors

Table 71. Zenfan Technology Major Business

Table 72. Zenfan Technology High-K Metal Precursors Product and Services

Table 73. Zenfan Technology High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 74. Zenfan Technology Recent Developments/Updates

Table 75. Anhui Botai Basic Information, Manufacturing Base and Competitors

Table 76. Anhui Botai Major Business

Table 77. Anhui Botai High-K Metal Precursors Product and Services

Table 78. Anhui Botai High-K Metal Precursors Sales Quantity (Tons), Average Price (US\$/kg), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Anhui Botai Recent Developments/Updates

Table 80. Global High-K Metal Precursors Sales Quantity by Manufacturer (2021-2026) & (Tons)

Table 81. Global High-K Metal Precursors Revenue by Manufacturer (2021-2026) & (USD Million)

Table 82. Global High-K Metal Precursors Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 83. Market Position of Manufacturers in High-K Metal Precursors, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 84. Head Office and High-K Metal Precursors Production Site of Key Manufacturer

Table 85. High-K Metal Precursors Market: Company Product Type Footprint

Table 86. High-K Metal Precursors Market: Company Product Application Footprint

Table 87. High-K Metal Precursors New Market Entrants and Barriers to Market Entry

Table 88. High-K Metal Precursors Mergers, Acquisition, Agreements, and

Collaborations

Table 89. Global High-K Metal Precursors Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 90. Global High-K Metal Precursors Sales Quantity by Region (2021-2026) & (Tons)

Table 91. Global High-K Metal Precursors Sales Quantity by Region (2027-2032) & (Tons)

Table 92. Global High-K Metal Precursors Consumption Value by Region (2021-2026) & (USD Million)

Table 93. Global High-K Metal Precursors Consumption Value by Region (2027-2032) & (USD Million)

Table 94. Global High-K Metal Precursors Average Price by Region (2021-2026) & (US\$/kg)

Table 95. Global High-K Metal Precursors Average Price by Region (2027-2032) & (US\$/kg)

Table 96. Global High-K Metal Precursors Sales Quantity by Type (2021-2026) & (Tons)

Table 97. Global High-K Metal Precursors Sales Quantity by Type (2027-2032) & (Tons)

Table 98. Global High-K Metal Precursors Consumption Value by Type (2021-2026) & (USD Million)

Table 99. Global High-K Metal Precursors Consumption Value by Type (2027-2032) & (USD Million)

Table 100. Global High-K Metal Precursors Average Price by Type (2021-2026) & (US\$/kg)

Table 101. Global High-K Metal Precursors Average Price by Type (2027-2032) & (US\$/kg)

Table 102. Global High-K Metal Precursors Sales Quantity by Application (2021-2026) & (Tons)

Table 103. Global High-K Metal Precursors Sales Quantity by Application (2027-2032) & (Tons)

Table 104. Global High-K Metal Precursors Consumption Value by Application (2021-2026) & (USD Million)

Table 105. Global High-K Metal Precursors Consumption Value by Application (2027-2032) & (USD Million)

Table 106. Global High-K Metal Precursors Average Price by Application (2021-2026) & (US\$/kg)

Table 107. Global High-K Metal Precursors Average Price by Application (2027-2032) & (US\$/kg)

Table 108. North America High-K Metal Precursors Sales Quantity by Type (2021-2026) & (Tons)

Table 109. North America High-K Metal Precursors Sales Quantity by Type (2027-2032) & (Tons)

Table 110. North America High-K Metal Precursors Sales Quantity by Application (2021-2026) & (Tons)

Table 111. North America High-K Metal Precursors Sales Quantity by Application (2027-2032) & (Tons)

Table 112. North America High-K Metal Precursors Sales Quantity by Country (2021-2026) & (Tons)

Table 113. North America High-K Metal Precursors Sales Quantity by Country (2027-2032) & (Tons)

Table 114. North America High-K Metal Precursors Consumption Value by Country (2021-2026) & (USD Million)

Table 115. North America High-K Metal Precursors Consumption Value by Country (2027-2032) & (USD Million)

Table 116. Europe High-K Metal Precursors Sales Quantity by Type (2021-2026) & (Tons)

Table 117. Europe High-K Metal Precursors Sales Quantity by Type (2027-2032) & (Tons)

Table 118. Europe High-K Metal Precursors Sales Quantity by Application (2021-2026) & (Tons)

Table 119. Europe High-K Metal Precursors Sales Quantity by Application (2027-2032) & (Tons)

Table 120. Europe High-K Metal Precursors Sales Quantity by Country (2021-2026) & (Tons)

Table 121. Europe High-K Metal Precursors Sales Quantity by Country (2027-2032) & (Tons)

Table 122. Europe High-K Metal Precursors Consumption Value by Country (2021-2026) & (USD Million)

Table 123. Europe High-K Metal Precursors Consumption Value by Country (2027-2032) & (USD Million)

Table 124. Asia-Pacific High-K Metal Precursors Sales Quantity by Type (2021-2026) & (Tons)

Table 125. Asia-Pacific High-K Metal Precursors Sales Quantity by Type (2027-2032) & (Tons)

Table 126. Asia-Pacific High-K Metal Precursors Sales Quantity by Application (2021-2026) & (Tons)

Table 127. Asia-Pacific High-K Metal Precursors Sales Quantity by Application (2027-2032) & (Tons)

Table 128. Asia-Pacific High-K Metal Precursors Sales Quantity by Region (2021-2026)

& (Tons)

Table 129. Asia-Pacific High-K Metal Precursors Sales Quantity by Region (2027-2032)
& (Tons)

Table 130. Asia-Pacific High-K Metal Precursors Consumption Value by Region
(2021-2026) & (USD Million)

Table 131. Asia-Pacific High-K Metal Precursors Consumption Value by Region
(2027-2032) & (USD Million)

Table 132. South America High-K Metal Precursors Sales Quantity by Type
(2021-2026) & (Tons)

Table 133. South America High-K Metal Precursors Sales Quantity by Type
(2027-2032) & (Tons)

Table 134. South America High-K Metal Precursors Sales Quantity by Application
(2021-2026) & (Tons)

Table 135. South America High-K Metal Precursors Sales Quantity by Application
(2027-2032) & (Tons)

Table 136. South America High-K Metal Precursors Sales Quantity by Country
(2021-2026) & (Tons)

Table 137. South America High-K Metal Precursors Sales Quantity by Country
(2027-2032) & (Tons)

Table 138. South America High-K Metal Precursors Consumption Value by Country
(2021-2026) & (USD Million)

Table 139. South America High-K Metal Precursors Consumption Value by Country
(2027-2032) & (USD Million)

Table 140. Middle East & Africa High-K Metal Precursors Sales Quantity by Type
(2021-2026) & (Tons)

Table 141. Middle East & Africa High-K Metal Precursors Sales Quantity by Type
(2027-2032) & (Tons)

Table 142. Middle East & Africa High-K Metal Precursors Sales Quantity by Application
(2021-2026) & (Tons)

Table 143. Middle East & Africa High-K Metal Precursors Sales Quantity by Application
(2027-2032) & (Tons)

Table 144. Middle East & Africa High-K Metal Precursors Sales Quantity by Country
(2021-2026) & (Tons)

Table 145. Middle East & Africa High-K Metal Precursors Sales Quantity by Country
(2027-2032) & (Tons)

Table 146. Middle East & Africa High-K Metal Precursors Consumption Value by
Country (2021-2026) & (USD Million)

Table 147. Middle East & Africa High-K Metal Precursors Consumption Value by
Country (2027-2032) & (USD Million)

Table 148. High-K Metal Precursors Raw Material

Table 149. Key Manufacturers of High-K Metal Precursors Raw Materials

Table 150. High-K Metal Precursors Typical Distributors

Table 151. High-K Metal Precursors Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. High-K Metal Precursors Picture
- Figure 2. Global High-K Metal Precursors Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global High-K Metal Precursors Revenue Market Share by Type in 2025
- Figure 4. Hafnium Precursors Examples
- Figure 5. Zirconium Precursors Examples
- Figure 6. Aluminum Precursors Examples
- Figure 7. Titanium Precursors Examples
- Figure 8. Lanthanum Precursors Examples
- Figure 9. Tantalum Precursors Examples
- Figure 10. Others Examples
- Figure 11. Others Examples
- Figure 12. Global High-K Metal Precursors Revenue by Deposition Process, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global High-K Metal Precursors Revenue Market Share by Deposition Process in 2025
- Figure 14. ALD Precursors Examples
- Figure 15. CVD Precursors Examples
- Figure 16. Others Examples
- Figure 17. Global High-K Metal Precursors Revenue by Dielectric Properties, (USD Million), 2021 & 2025 & 2032
- Figure 18. Global High-K Metal Precursors Revenue Market Share by Dielectric Properties in 2025
- Figure 19. 8?15 K Examples
- Figure 20. 15?30 K Examples
- Figure 21. ?30 K Examples
- Figure 22. Global High-K Metal Precursors Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 23. Global High-K Metal Precursors Revenue Market Share by Application in 2025
- Figure 24. Logic Chips Examples
- Figure 25. Memory Chips Examples
- Figure 26. Others Examples
- Figure 27. Global High-K Metal Precursors Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 28. Global High-K Metal Precursors Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 29. Global High-K Metal Precursors Sales Quantity (2021-2032) & (Tons)

Figure 30. Global High-K Metal Precursors Price (2021-2032) & (US\$/kg)

Figure 31. Global High-K Metal Precursors Sales Quantity Market Share by Manufacturer in 2025

Figure 32. Global High-K Metal Precursors Revenue Market Share by Manufacturer in 2025

Figure 33. Producer Shipments of High-K Metal Precursors by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 34. Top 3 High-K Metal Precursors Manufacturer (Revenue) Market Share in 2025

Figure 35. Top 6 High-K Metal Precursors Manufacturer (Revenue) Market Share in 2025

Figure 36. Global High-K Metal Precursors Sales Quantity Market Share by Region (2021-2032)

Figure 37. Global High-K Metal Precursors Consumption Value Market Share by Region (2021-2032)

Figure 38. North America High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 39. Europe High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 40. Asia-Pacific High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 41. South America High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 42. Middle East & Africa High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 43. Global High-K Metal Precursors Sales Quantity Market Share by Type (2021-2032)

Figure 44. Global High-K Metal Precursors Consumption Value Market Share by Type (2021-2032)

Figure 45. Global High-K Metal Precursors Average Price by Type (2021-2032) & (US\$/kg)

Figure 46. Global High-K Metal Precursors Sales Quantity Market Share by Application (2021-2032)

Figure 47. Global High-K Metal Precursors Revenue Market Share by Application (2021-2032)

Figure 48. Global High-K Metal Precursors Average Price by Application (2021-2032) &

(US\$/kg)

Figure 49. North America High-K Metal Precursors Sales Quantity Market Share by Type (2021-2032)

Figure 50. North America High-K Metal Precursors Sales Quantity Market Share by Application (2021-2032)

Figure 51. North America High-K Metal Precursors Sales Quantity Market Share by Country (2021-2032)

Figure 52. North America High-K Metal Precursors Consumption Value Market Share by Country (2021-2032)

Figure 53. United States High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 54. Canada High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 55. Mexico High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 56. Europe High-K Metal Precursors Sales Quantity Market Share by Type (2021-2032)

Figure 57. Europe High-K Metal Precursors Sales Quantity Market Share by Application (2021-2032)

Figure 58. Europe High-K Metal Precursors Sales Quantity Market Share by Country (2021-2032)

Figure 59. Europe High-K Metal Precursors Consumption Value Market Share by Country (2021-2032)

Figure 60. Germany High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 61. France High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 62. United Kingdom High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 63. Russia High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 64. Italy High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 65. Asia-Pacific High-K Metal Precursors Sales Quantity Market Share by Type (2021-2032)

Figure 66. Asia-Pacific High-K Metal Precursors Sales Quantity Market Share by Application (2021-2032)

Figure 67. Asia-Pacific High-K Metal Precursors Sales Quantity Market Share by Region (2021-2032)

Figure 68. Asia-Pacific High-K Metal Precursors Consumption Value Market Share by Region (2021-2032)

Figure 69. China High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 70. Japan High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 71. South Korea High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 72. India High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 73. Southeast Asia High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 74. Australia High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 75. South America High-K Metal Precursors Sales Quantity Market Share by Type (2021-2032)

Figure 76. South America High-K Metal Precursors Sales Quantity Market Share by Application (2021-2032)

Figure 77. South America High-K Metal Precursors Sales Quantity Market Share by Country (2021-2032)

Figure 78. South America High-K Metal Precursors Consumption Value Market Share by Country (2021-2032)

Figure 79. Brazil High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 80. Argentina High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 81. Middle East & Africa High-K Metal Precursors Sales Quantity Market Share by Type (2021-2032)

Figure 82. Middle East & Africa High-K Metal Precursors Sales Quantity Market Share by Application (2021-2032)

Figure 83. Middle East & Africa High-K Metal Precursors Sales Quantity Market Share by Country (2021-2032)

Figure 84. Middle East & Africa High-K Metal Precursors Consumption Value Market Share by Country (2021-2032)

Figure 85. Turkey High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 86. Egypt High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 87. Saudi Arabia High-K Metal Precursors Consumption Value (2021-2032) &

(USD Million)

Figure 88. South Africa High-K Metal Precursors Consumption Value (2021-2032) & (USD Million)

Figure 89. High-K Metal Precursors Market Drivers

Figure 90. High-K Metal Precursors Market Restraints

Figure 91. High-K Metal Precursors Market Trends

Figure 92. Porters Five Forces Analysis

Figure 93. Manufacturing Cost Structure Analysis of High-K Metal Precursors in 2025

Figure 94. Manufacturing Process Analysis of High-K Metal Precursors

Figure 95. High-K Metal Precursors Industrial Chain

Figure 96. Sales Channel: Direct to End-User vs Distributors

Figure 97. Direct Channel Pros & Cons

Figure 98. Indirect Channel Pros & Cons

Figure 99. Methodology

Figure 100. Research Process and Data Source

I would like to order

Product name: Global High-K Metal Precursors Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G7138C15B346EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G7138C15B346EN.html>