

Global Gases for Semiconductor Equipment Market Research Report 2025(Status and Outlook)

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Abstracts

Report Overview

Gases for semiconductor equipment refer to the specialized gases used in the manufacturing processes of semiconductors. These gases play a crucial role in various stages of semiconductor production, such as deposition, etching, and cleaning. The purity, composition, and flow rates of these gases are carefully controlled to ensure the quality and performance of the semiconductor devices. Gases for semiconductor equipment include a wide range of materials such as silane, ammonia, hydrogen, and nitrogen, among others. The market for these gases is driven by the growing demand for semiconductors in various industries such as electronics, automotive, and healthcare. As the semiconductor industry continues to innovate and develop advanced technologies like IoT, AI, and 5G, the demand for high-quality gases for semiconductor equipment is expected to rise.

The market for gases for semiconductor equipment is witnessing several key trends and market drivers. One of the prominent trends is the increasing adoption of advanced materials and processes in semiconductor manufacturing, which require a diverse range of specialty gases. Additionally, the shift towards smaller and more complex semiconductor devices is driving the need for gases that can meet stringent purity and performance requirements. Moreover, the growing investments in semiconductor fabrication facilities, particularly in regions like Asia-Pacific, are fueling the demand for gases for semiconductor equipment. At the same time, stringent regulations regarding the handling and disposal of these gases are influencing market dynamics, pushing companies to develop more sustainable and environmentally friendly solutions.

This report provides a deep insight into the global Gases for Semiconductor Equipment

market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Gases for Semiconductor Equipment Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Gases for Semiconductor Equipment market in any manner.

Global Gases for Semiconductor Equipment Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

SK Materials

Hyosung

Kanto Denka Kogyo

Merck (Versum Materials)

PERIC

Mitsui Chemical

ChemChina

Shandong FeiYuan

Market Segmentation (by Type)

Nitrogen Trifluoride

Tungsten Hexafluoride

Hydrogen Chloride

Ammonia

Market Segmentation (by Application)

Consumer Electronics

Automotive Electronics

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

- Industry drivers, restraints, and opportunities covered in the study
- Neutral perspective on the market performance
- Recent industry trends and developments
- Competitive landscape & strategies of key players
- Potential & niche segments and regions exhibiting promising growth covered
- Historical, current, and projected market size, in terms of value
- In-depth analysis of the Gases for Semiconductor Equipment Market
- Overview of the regional outlook of the Gases for Semiconductor Equipment Market:

Key Reasons to Buy this Report:

- Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
- This enables you to anticipate market changes to remain ahead of your competitors
- You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
- The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
- Provision of market value (USD Billion) data for each segment and sub-segment
- Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future

development potential, and so on. It offers a high-level view of the current state of the Gases for Semiconductor Equipment Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Gases for Semiconductor Equipment

1.2 Key Market Segments

1.2.1 Gases for Semiconductor Equipment Segment by Type

1.2.2 Gases for Semiconductor Equipment Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 GASES FOR SEMICONDUCTOR EQUIPMENT MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Gases for Semiconductor Equipment Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global Gases for Semiconductor Equipment Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 GASES FOR SEMICONDUCTOR EQUIPMENT MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Gases for Semiconductor Equipment Product Life Cycle

3.3 Global Gases for Semiconductor Equipment Sales by Manufacturers (2020-2025)

3.4 Global Gases for Semiconductor Equipment Revenue Market Share by Manufacturers (2020-2025)

3.5 Gases for Semiconductor Equipment Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Gases for Semiconductor Equipment Average Price by Manufacturers (2020-2025)

3.7 Manufacturers Gases for Semiconductor Equipment Manufacturing Sites, Area Served, Product Type

3.8 Gases for Semiconductor Equipment Market Competitive Situation and Trends

3.8.1 Gases for Semiconductor Equipment Market Concentration Rate

3.8.2 Global 5 and 10 Largest Gases for Semiconductor Equipment Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 GASES FOR SEMICONDUCTOR EQUIPMENT INDUSTRY CHAIN ANALYSIS

4.1 Gases for Semiconductor Equipment Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF GASES FOR SEMICONDUCTOR EQUIPMENT MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Gases for Semiconductor Equipment Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 Global Trade Frictions and Their Impacts to Gases for Semiconductor Equipment Market

5.7 ESG Ratings of Leading Companies

6 GASES FOR SEMICONDUCTOR EQUIPMENT MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Gases for Semiconductor Equipment Sales Market Share by Type
(2020-2025)

6.3 Global Gases for Semiconductor Equipment Market Size Market Share by Type
(2020-2025)

6.4 Global Gases for Semiconductor Equipment Price by Type (2020-2025)

7 GASES FOR SEMICONDUCTOR EQUIPMENT MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Gases for Semiconductor Equipment Market Sales by Application
(2020-2025)

7.3 Global Gases for Semiconductor Equipment Market Size (M USD) by Application
(2020-2025)

7.4 Global Gases for Semiconductor Equipment Sales Growth Rate by Application
(2020-2025)

8 GASES FOR SEMICONDUCTOR EQUIPMENT MARKET SALES BY REGION

8.1 Global Gases for Semiconductor Equipment Sales by Region

8.1.1 Global Gases for Semiconductor Equipment Sales by Region

8.1.2 Global Gases for Semiconductor Equipment Sales Market Share by Region

8.2 Global Gases for Semiconductor Equipment Market Size by Region

8.2.1 Global Gases for Semiconductor Equipment Market Size by Region

8.2.2 Global Gases for Semiconductor Equipment Market Size Market Share by
Region

8.3 North America

8.3.1 North America Gases for Semiconductor Equipment Sales by Country

8.3.2 North America Gases for Semiconductor Equipment Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Gases for Semiconductor Equipment Sales by Country

8.4.2 Europe Gases for Semiconductor Equipment Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Gases for Semiconductor Equipment Sales by Region

8.5.2 Asia Pacific Gases for Semiconductor Equipment Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Gases for Semiconductor Equipment Sales by Country

8.6.2 South America Gases for Semiconductor Equipment Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Gases for Semiconductor Equipment Sales by Region

8.7.2 Middle East and Africa Gases for Semiconductor Equipment Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 GASES FOR SEMICONDUCTOR EQUIPMENT MARKET PRODUCTION BY REGION

9.1 Global Production of Gases for Semiconductor Equipment by Region(2020-2025)

9.2 Global Gases for Semiconductor Equipment Revenue Market Share by Region (2020-2025)

9.3 Global Gases for Semiconductor Equipment Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Gases for Semiconductor Equipment Production

9.4.1 North America Gases for Semiconductor Equipment Production Growth Rate (2020-2025)

9.4.2 North America Gases for Semiconductor Equipment Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Gases for Semiconductor Equipment Production

- 9.5.1 Europe Gases for Semiconductor Equipment Production Growth Rate (2020-2025)
- 9.5.2 Europe Gases for Semiconductor Equipment Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Gases for Semiconductor Equipment Production (2020-2025)
 - 9.6.1 Japan Gases for Semiconductor Equipment Production Growth Rate (2020-2025)
 - 9.6.2 Japan Gases for Semiconductor Equipment Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Gases for Semiconductor Equipment Production (2020-2025)
 - 9.7.1 China Gases for Semiconductor Equipment Production Growth Rate (2020-2025)
 - 9.7.2 China Gases for Semiconductor Equipment Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

- 10.1 SK Materials
 - 10.1.1 SK Materials Basic Information
 - 10.1.2 SK Materials Gases for Semiconductor Equipment Product Overview
 - 10.1.3 SK Materials Gases for Semiconductor Equipment Product Market Performance
 - 10.1.4 SK Materials Business Overview
 - 10.1.5 SK Materials SWOT Analysis
 - 10.1.6 SK Materials Recent Developments
- 10.2 Hyosung
 - 10.2.1 Hyosung Basic Information
 - 10.2.2 Hyosung Gases for Semiconductor Equipment Product Overview
 - 10.2.3 Hyosung Gases for Semiconductor Equipment Product Market Performance
 - 10.2.4 Hyosung Business Overview
 - 10.2.5 Hyosung SWOT Analysis
 - 10.2.6 Hyosung Recent Developments
- 10.3 Kanto Denka Kogyo
 - 10.3.1 Kanto Denka Kogyo Basic Information
 - 10.3.2 Kanto Denka Kogyo Gases for Semiconductor Equipment Product Overview
 - 10.3.3 Kanto Denka Kogyo Gases for Semiconductor Equipment Product Market Performance
 - 10.3.4 Kanto Denka Kogyo Business Overview
 - 10.3.5 Kanto Denka Kogyo SWOT Analysis
 - 10.3.6 Kanto Denka Kogyo Recent Developments
- 10.4 Merck (Versum Materials)

- 10.4.1 Merck (Versum Materials) Basic Information
- 10.4.2 Merck (Versum Materials) Gases for Semiconductor Equipment Product Overview
- 10.4.3 Merck (Versum Materials) Gases for Semiconductor Equipment Product Market Performance
- 10.4.4 Merck (Versum Materials) Business Overview
- 10.4.5 Merck (Versum Materials) Recent Developments
- 10.5 PERIC
 - 10.5.1 PERIC Basic Information
 - 10.5.2 PERIC Gases for Semiconductor Equipment Product Overview
 - 10.5.3 PERIC Gases for Semiconductor Equipment Product Market Performance
 - 10.5.4 PERIC Business Overview
 - 10.5.5 PERIC Recent Developments
- 10.6 Mitsui Chemical
 - 10.6.1 Mitsui Chemical Basic Information
 - 10.6.2 Mitsui Chemical Gases for Semiconductor Equipment Product Overview
 - 10.6.3 Mitsui Chemical Gases for Semiconductor Equipment Product Market Performance
 - 10.6.4 Mitsui Chemical Business Overview
 - 10.6.5 Mitsui Chemical Recent Developments
- 10.7 ChemChina
 - 10.7.1 ChemChina Basic Information
 - 10.7.2 ChemChina Gases for Semiconductor Equipment Product Overview
 - 10.7.3 ChemChina Gases for Semiconductor Equipment Product Market Performance
 - 10.7.4 ChemChina Business Overview
 - 10.7.5 ChemChina Recent Developments
- 10.8 Shandong FeiYuan
 - 10.8.1 Shandong FeiYuan Basic Information
 - 10.8.2 Shandong FeiYuan Gases for Semiconductor Equipment Product Overview
 - 10.8.3 Shandong FeiYuan Gases for Semiconductor Equipment Product Market Performance
 - 10.8.4 Shandong FeiYuan Business Overview
 - 10.8.5 Shandong FeiYuan Recent Developments

11 GASES FOR SEMICONDUCTOR EQUIPMENT MARKET FORECAST BY REGION

- 11.1 Global Gases for Semiconductor Equipment Market Size Forecast
- 11.2 Global Gases for Semiconductor Equipment Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country

- 11.2.2 Europe Gases for Semiconductor Equipment Market Size Forecast by Country
- 11.2.3 Asia Pacific Gases for Semiconductor Equipment Market Size Forecast by Region
- 11.2.4 South America Gases for Semiconductor Equipment Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Sales of Gases for Semiconductor Equipment by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

- 12.1 Global Gases for Semiconductor Equipment Market Forecast by Type (2026-2033)
 - 12.1.1 Global Forecasted Sales of Gases for Semiconductor Equipment by Type (2026-2033)
 - 12.1.2 Global Gases for Semiconductor Equipment Market Size Forecast by Type (2026-2033)
 - 12.1.3 Global Forecasted Price of Gases for Semiconductor Equipment by Type (2026-2033)
- 12.2 Global Gases for Semiconductor Equipment Market Forecast by Application (2026-2033)
 - 12.2.1 Global Gases for Semiconductor Equipment Sales (K MT) Forecast by Application
 - 12.2.2 Global Gases for Semiconductor Equipment Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List of Tables

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Gases for Semiconductor Equipment Market Size Comparison by Region (M USD)
- Table 5. Global Gases for Semiconductor Equipment Sales (K MT) by Manufacturers (2020-2025)
- Table 6. Global Gases for Semiconductor Equipment Sales Market Share by Manufacturers (2020-2025)
- Table 7. Global Gases for Semiconductor Equipment Revenue (M USD) by Manufacturers (2020-2025)
- Table 8. Global Gases for Semiconductor Equipment Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Gases for Semiconductor Equipment as of 2024)

Table 10. Global Market Gases for Semiconductor Equipment Average Price (USD/MT) of Key Manufacturers (2020-2025)

Table 11. Manufacturers Gases for Semiconductor Equipment Manufacturing Sites and Area Served

Table 12. Manufacturers Gases for Semiconductor Equipment Product Type

Table 13. Global Gases for Semiconductor Equipment Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Gases for Semiconductor Equipment Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. Global Gases for Semiconductor Equipment Sales by Type (K MT)

Table 25. Global Gases for Semiconductor Equipment Market Size by Type (M USD)

Table 26. Global Gases for Semiconductor Equipment Sales (K MT) by Type (2020-2025)

Table 27. Global Gases for Semiconductor Equipment Sales Market Share by Type (2020-2025)

Table 28. Global Gases for Semiconductor Equipment Market Size (M USD) by Type (2020-2025)

Table 29. Global Gases for Semiconductor Equipment Market Size Share by Type (2020-2025)

Table 30. Global Gases for Semiconductor Equipment Price (USD/MT) by Type (2020-2025)

Table 31. Global Gases for Semiconductor Equipment Sales (K MT) by Application

Table 32. Global Gases for Semiconductor Equipment Market Size by Application

Table 33. Global Gases for Semiconductor Equipment Sales by Application (2020-2025) & (K MT)

Table 34. Global Gases for Semiconductor Equipment Sales Market Share by Application (2020-2025)

Table 35. Global Gases for Semiconductor Equipment Market Size by Application (2020-2025) & (M USD)

Table 36. Global Gases for Semiconductor Equipment Market Share by Application (2020-2025)

Table 37. Global Gases for Semiconductor Equipment Sales Growth Rate by Application (2020-2025)

Table 38. Global Gases for Semiconductor Equipment Sales by Region (2020-2025) & (K MT)

Table 39. Global Gases for Semiconductor Equipment Sales Market Share by Region (2020-2025)

Table 40. Global Gases for Semiconductor Equipment Market Size by Region (2020-2025) & (M USD)

Table 41. Global Gases for Semiconductor Equipment Market Size Market Share by Region (2020-2025)

Table 42. North America Gases for Semiconductor Equipment Sales by Country (2020-2025) & (K MT)

Table 43. North America Gases for Semiconductor Equipment Market Size by Country (2020-2025) & (M USD)

Table 44. Europe Gases for Semiconductor Equipment Sales by Country (2020-2025) & (K MT)

Table 45. Europe Gases for Semiconductor Equipment Market Size by Country (2020-2025) & (M USD)

Table 46. Asia Pacific Gases for Semiconductor Equipment Sales by Region (2020-2025) & (K MT)

Table 47. Asia Pacific Gases for Semiconductor Equipment Market Size by Region (2020-2025) & (M USD)

Table 48. South America Gases for Semiconductor Equipment Sales by Country (2020-2025) & (K MT)

Table 49. South America Gases for Semiconductor Equipment Market Size by Country (2020-2025) & (M USD)

Table 50. Middle East and Africa Gases for Semiconductor Equipment Sales by Region (2020-2025) & (K MT)

Table 51. Middle East and Africa Gases for Semiconductor Equipment Market Size by Region (2020-2025) & (M USD)

Table 52. Global Gases for Semiconductor Equipment Production (K MT) by Region(2020-2025)

Table 53. Global Gases for Semiconductor Equipment Revenue (US\$ Million) by Region (2020-2025)

Table 54. Global Gases for Semiconductor Equipment Revenue Market Share by Region (2020-2025)

Table 55. Global Gases for Semiconductor Equipment Production (K MT), Revenue

(US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 56. North America Gases for Semiconductor Equipment Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 57. Europe Gases for Semiconductor Equipment Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 58. Japan Gases for Semiconductor Equipment Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 59. China Gases for Semiconductor Equipment Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 60. SK Materials Basic Information

Table 61. SK Materials Gases for Semiconductor Equipment Product Overview

Table 62. SK Materials Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 63. SK Materials Business Overview

Table 64. SK Materials SWOT Analysis

Table 65. SK Materials Recent Developments

Table 66. Hyosung Basic Information

Table 67. Hyosung Gases for Semiconductor Equipment Product Overview

Table 68. Hyosung Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 69. Hyosung Business Overview

Table 70. Hyosung SWOT Analysis

Table 71. Hyosung Recent Developments

Table 72. Kanto Denka Kogyo Basic Information

Table 73. Kanto Denka Kogyo Gases for Semiconductor Equipment Product Overview

Table 74. Kanto Denka Kogyo Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 75. Kanto Denka Kogyo Business Overview

Table 76. Kanto Denka Kogyo SWOT Analysis

Table 77. Kanto Denka Kogyo Recent Developments

Table 78. Merck (Versum Materials) Basic Information

Table 79. Merck (Versum Materials) Gases for Semiconductor Equipment Product Overview

Table 80. Merck (Versum Materials) Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 81. Merck (Versum Materials) Business Overview

Table 82. Merck (Versum Materials) Recent Developments

Table 83. PERIC Basic Information

Table 84. PERIC Gases for Semiconductor Equipment Product Overview

Table 85. PERIC Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 86. PERIC Business Overview

Table 87. PERIC Recent Developments

Table 88. Mitsui Chemical Basic Information

Table 89. Mitsui Chemical Gases for Semiconductor Equipment Product Overview

Table 90. Mitsui Chemical Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 91. Mitsui Chemical Business Overview

Table 92. Mitsui Chemical Recent Developments

Table 93. ChemChina Basic Information

Table 94. ChemChina Gases for Semiconductor Equipment Product Overview

Table 95. ChemChina Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 96. ChemChina Business Overview

Table 97. ChemChina Recent Developments

Table 98. Shandong FeiYuan Basic Information

Table 99. Shandong FeiYuan Gases for Semiconductor Equipment Product Overview

Table 100. Shandong FeiYuan Gases for Semiconductor Equipment Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 101. Shandong FeiYuan Business Overview

Table 102. Shandong FeiYuan Recent Developments

Table 103. Global Gases for Semiconductor Equipment Sales Forecast by Region (2026-2033) & (K MT)

Table 104. Global Gases for Semiconductor Equipment Market Size Forecast by Region (2026-2033) & (M USD)

Table 105. North America Gases for Semiconductor Equipment Sales Forecast by Country (2026-2033) & (K MT)

Table 106. North America Gases for Semiconductor Equipment Market Size Forecast by Country (2026-2033) & (M USD)

Table 107. Europe Gases for Semiconductor Equipment Sales Forecast by Country (2026-2033) & (K MT)

Table 108. Europe Gases for Semiconductor Equipment Market Size Forecast by Country (2026-2033) & (M USD)

Table 109. Asia Pacific Gases for Semiconductor Equipment Sales Forecast by Region (2026-2033) & (K MT)

Table 110. Asia Pacific Gases for Semiconductor Equipment Market Size Forecast by Region (2026-2033) & (M USD)

Table 111. South America Gases for Semiconductor Equipment Sales Forecast by

Country (2026-2033) & (K MT)

Table 112. South America Gases for Semiconductor Equipment Market Size Forecast by Country (2026-2033) & (M USD)

Table 113. Middle East and Africa Gases for Semiconductor Equipment Sales Forecast by Country (2026-2033) & (Units)

Table 114. Middle East and Africa Gases for Semiconductor Equipment Market Size Forecast by Country (2026-2033) & (M USD)

Table 115. Global Gases for Semiconductor Equipment Sales Forecast by Type (2026-2033) & (K MT)

Table 116. Global Gases for Semiconductor Equipment Market Size Forecast by Type (2026-2033) & (M USD)

Table 117. Global Gases for Semiconductor Equipment Price Forecast by Type (2026-2033) & (USD/MT)

Table 118. Global Gases for Semiconductor Equipment Sales (K MT) Forecast by Application (2026-2033)

Table 119. Global Gases for Semiconductor Equipment Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of Gases for Semiconductor Equipment

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Gases for Semiconductor Equipment Market Size (M USD), 2024-2033

Figure 5. Global Gases for Semiconductor Equipment Market Size (M USD) (2020-2033)

Figure 6. Global Gases for Semiconductor Equipment Sales (K MT) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Gases for Semiconductor Equipment Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Gases for Semiconductor Equipment Product Life Cycle

Figure 13. Gases for Semiconductor Equipment Sales Share by Manufacturers in 2024

Figure 14. Global Gases for Semiconductor Equipment Revenue Share by Manufacturers in 2024

Figure 15. Gases for Semiconductor Equipment Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Gases for Semiconductor Equipment Average Price (USD/MT) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by Gases for

Semiconductor Equipment Revenue in 2024

Figure 18. Industry Chain Map of Gases for Semiconductor Equipment

Figure 19. Global Gases for Semiconductor Equipment Market PEST Analysis

Figure 20. Global Gases for Semiconductor Equipment Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Gases for Semiconductor Equipment Market Share by Type

Figure 27. Sales Market Share of Gases for Semiconductor Equipment by Type (2020-2025)

Figure 28. Sales Market Share of Gases for Semiconductor Equipment by Type in 2024

Figure 29. Market Size Share of Gases for Semiconductor Equipment by Type (2020-2025)

Figure 30. Market Size Share of Gases for Semiconductor Equipment by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Gases for Semiconductor Equipment Market Share by Application

Figure 33. Global Gases for Semiconductor Equipment Sales Market Share by Application (2020-2025)

Figure 34. Global Gases for Semiconductor Equipment Sales Market Share by Application in 2024

Figure 35. Global Gases for Semiconductor Equipment Market Share by Application (2020-2025)

Figure 36. Global Gases for Semiconductor Equipment Market Share by Application in 2024

Figure 37. Global Gases for Semiconductor Equipment Sales Growth Rate by Application (2020-2025)

Figure 38. Global Gases for Semiconductor Equipment Sales Market Share by Region (2020-2025)

Figure 39. Global Gases for Semiconductor Equipment Market Size Market Share by Region (2020-2025)

Figure 40. North America Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Gases for Semiconductor Equipment Sales Market Share by Country in 2024

Figure 43. North America Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Gases for Semiconductor Equipment Market Size Market Share by Country in 2024

Figure 45. U.S. Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Gases for Semiconductor Equipment Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Gases for Semiconductor Equipment Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Gases for Semiconductor Equipment Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Gases for Semiconductor Equipment Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Gases for Semiconductor Equipment Sales Market Share by Country in 2024

Figure 53. Europe Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Gases for Semiconductor Equipment Market Size Market Share by Country in 2024

Figure 55. Germany Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Gases for Semiconductor Equipment Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 63. Spain Gases for Semiconductor Equipment Sales and Growth Rate

(2020-2025) & (K MT)

Figure 64. Spain Gases for Semiconductor Equipment Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 65. Asia Pacific Gases for Semiconductor Equipment Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Gases for Semiconductor Equipment Sales Market Share by Region in 2024

Figure 67. Asia Pacific Gases for Semiconductor Equipment Market Size Market Share by Region in 2024

Figure 68. China Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Gases for Semiconductor Equipment Sales and Growth Rate (K MT)

Figure 79. South America Gases for Semiconductor Equipment Sales Market Share by Country in 2024

Figure 80. South America Gases for Semiconductor Equipment Market Size and Growth Rate (M USD)

Figure 81. South America Gases for Semiconductor Equipment Market Size Market Share by Country in 2024

Figure 82. Brazil Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Gases for Semiconductor Equipment Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Gases for Semiconductor Equipment Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Gases for Semiconductor Equipment Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Gases for Semiconductor Equipment Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Gases for Semiconductor Equipment Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Gases for Semiconductor Equipment Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Gases for Semiconductor Equipment Market Size and Growth

Rate (2020-2025) & (M USD)

Figure 102. Global Gases for Semiconductor Equipment Production Market Share by Region (2020-2025)

Figure 103. North America Gases for Semiconductor Equipment Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Gases for Semiconductor Equipment Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Gases for Semiconductor Equipment Production (K MT) Growth Rate (2020-2025)

Figure 106. China Gases for Semiconductor Equipment Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Gases for Semiconductor Equipment Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global Gases for Semiconductor Equipment Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Gases for Semiconductor Equipment Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Gases for Semiconductor Equipment Market Share Forecast by Type (2026-2033)

Figure 111. Global Gases for Semiconductor Equipment Sales Forecast by Application (2026-2033)

Figure 112. Global Gases for Semiconductor Equipment Market Share Forecast by Application (2026-2033)

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