

Global Semiconductor Waste Gas Treatment System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Semiconductor Waste Gas Treatment System market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

A Semiconductor Waste Gas Treatment System is an environmental control solution designed for the management and purification of exhaust gases generated during semiconductor manufacturing processes. In semiconductor fabrication, various toxic and hazardous gases are used, and the treatment system aims to minimize the environmental impact by effectively removing or neutralizing these gases before their release into the atmosphere. These systems typically employ advanced technologies such as thermal oxidizers, wet scrubbers, activated carbon adsorption, and other chemical and physical processes to break down or capture harmful compounds. By ensuring the efficient removal of hazardous components from the waste gases, Semiconductor Waste Gas Treatment Systems contribute to environmental compliance, worker safety, and the overall sustainability of semiconductor manufacturing operations.

A Semiconductor Waste Gas Treatment System is an environmental control solution designed for the management and purification of exhaust gases generated during semiconductor manufacturing processes. In semiconductor fabrication, various toxic and hazardous gases are used, and the treatment system aims to minimize the environmental impact by effectively removing or neutralizing these gases before their release into the atmosphere. These systems typically employ advanced technologies such as thermal oxidizers, wet scrubbers, activated carbon adsorption, and other chemical and physical processes to break down or capture harmful compounds. By ensuring the efficient removal of hazardous components from the waste gases,

Semiconductor Waste Gas Treatment Systems contribute to environmental compliance, worker safety, and the overall sustainability of semiconductor manufacturing operations.

The Semiconductor Waste Gas Treatment System market is witnessing significant growth due to the increasing demand for semiconductors across various industries. This equipment is used for treating the waste gas generated during the semiconductor manufacturing process, ensuring compliance with environmental regulations. The market is expected to witness positive growth trends in the coming years, driven by advancements in semiconductor technology and the growing focus on sustainable manufacturing practices. Additionally, the adoption of stringent environmental norms by governments is further fueling the demand for waste gas treatment equipment. The future outlook for the Pan-Semiconductor Process Waste Gas Treatment Equipment market remains promising, with opportunities for expansion and innovation.

This report is a detailed and comprehensive analysis for global Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Semiconductor Waste Gas Treatment System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Semiconductor Waste Gas Treatment System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Semiconductor Waste Gas Treatment System market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit),

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 Semiconductor Waste Gas Treatment System
- 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 Semiconductor Waste Gas Treatment System 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 DAS Environmental Expert, Edwards Vacuum, Applied Materials, MKS Instruments, Anguil Environmental Systems, Busch Vacuum, Novair, Taiyo Nippon Sanso, Sheng Jian Environment Technology, Air Water Mechatronics, etc.

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

Market Segmentation

Semiconductor Waste Gas Treatment System 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

Thermal Gas Treatment

Dry Gas Treatment

Wet Gas Treatment

Market segment by Application

Microchips

Photovoltaic Modules

Flat Screens

Light Emitting Diodes (LEDs)

Major players covered

DAS Environmental Expert

Edwards Vacuum

Applied Materials

MKS Instruments

Anguil Environmental Systems

Busch Vacuum

Novair

Taiyo Nippon Sanso

Sheng Jian Environment Technology

Air Water Mechatronics

Kanken Techno

EBARA Technologies

Verantis Environmental Solutions

Watlow

Centrotherm

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 Semiconductor Waste Gas Treatment System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Waste Gas Treatment System, with price, sales quantity, revenue, and global market share of Semiconductor Waste Gas Treatment System from 2021 to 2026.

Chapter 3, the Semiconductor Waste Gas Treatment System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System.

Chapter 14 and 15, to describe Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Thermal Gas Treatment

1.3.3 Dry Gas Treatment

1.3.4 Wet Gas Treatment

1.4 Market Analysis by Application

1.4.1 Overview: Global Semiconductor Waste Gas Treatment System Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.4.2 Microchips

1.4.3 Photovoltaic Modules

1.4.4 Flat Screens

1.4.5 Light Emitting Diodes (LEDs)

1.5 Global Semiconductor Waste Gas Treatment System Market Size & Forecast

1.5.1 Global Semiconductor Waste Gas Treatment System Consumption Value (2021 & 2025 & 2032)

1.5.2 Global Semiconductor Waste Gas Treatment System Sales Quantity (2021-2032)

1.5.3 Global Semiconductor Waste Gas Treatment System Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 DAS Environmental Expert

2.1.1 DAS Environmental Expert Details

2.1.2 DAS Environmental Expert Major Business

2.1.3 DAS Environmental Expert Semiconductor Waste Gas Treatment System Product and Services

2.1.4 DAS Environmental Expert Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 DAS Environmental Expert Recent Developments/Updates

2.2 Edwards Vacuum

2.2.1 Edwards Vacuum Details

2.2.2 Edwards Vacuum Major Business

2.2.3 Edwards Vacuum Semiconductor Waste Gas Treatment System Product and Services

2.2.4 Edwards Vacuum Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Edwards Vacuum Recent Developments/Updates

2.3 Applied Materials

2.3.1 Applied Materials Details

2.3.2 Applied Materials Major Business

2.3.3 Applied Materials Semiconductor Waste Gas Treatment System Product and Services

2.3.4 Applied Materials Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Applied Materials Recent Developments/Updates

2.4 MKS Instruments

2.4.1 MKS Instruments Details

2.4.2 MKS Instruments Major Business

2.4.3 MKS Instruments Semiconductor Waste Gas Treatment System Product and Services

2.4.4 MKS Instruments Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 MKS Instruments Recent Developments/Updates

2.5 Anguil Environmental Systems

2.5.1 Anguil Environmental Systems Details

2.5.2 Anguil Environmental Systems Major Business

2.5.3 Anguil Environmental Systems Semiconductor Waste Gas Treatment System Product and Services

2.5.4 Anguil Environmental Systems Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Anguil Environmental Systems Recent Developments/Updates

2.6 Busch Vacuum

2.6.1 Busch Vacuum Details

2.6.2 Busch Vacuum Major Business

2.6.3 Busch Vacuum Semiconductor Waste Gas Treatment System Product and Services

2.6.4 Busch Vacuum Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Busch Vacuum Recent Developments/Updates

2.7 Novair

2.7.1 Novair Details

- 2.7.2 Novair Major Business
- 2.7.3 Novair Semiconductor Waste Gas Treatment System Product and Services
- 2.7.4 Novair Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.7.5 Novair Recent Developments/Updates
- 2.8 Taiyo Nippon Sanso
 - 2.8.1 Taiyo Nippon Sanso Details
 - 2.8.2 Taiyo Nippon Sanso Major Business
 - 2.8.3 Taiyo Nippon Sanso Semiconductor Waste Gas Treatment System Product and Services
 - 2.8.4 Taiyo Nippon Sanso Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Taiyo Nippon Sanso Recent Developments/Updates
- 2.9 Sheng Jian Environment Technology
 - 2.9.1 Sheng Jian Environment Technology Details
 - 2.9.2 Sheng Jian Environment Technology Major Business
 - 2.9.3 Sheng Jian Environment Technology Semiconductor Waste Gas Treatment System Product and Services
 - 2.9.4 Sheng Jian Environment Technology Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Sheng Jian Environment Technology Recent Developments/Updates
- 2.10 Air Water Mechatronics
 - 2.10.1 Air Water Mechatronics Details
 - 2.10.2 Air Water Mechatronics Major Business
 - 2.10.3 Air Water Mechatronics Semiconductor Waste Gas Treatment System Product and Services
 - 2.10.4 Air Water Mechatronics Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Air Water Mechatronics Recent Developments/Updates
- 2.11 Kanken Techno
 - 2.11.1 Kanken Techno Details
 - 2.11.2 Kanken Techno Major Business
 - 2.11.3 Kanken Techno Semiconductor Waste Gas Treatment System Product and Services
 - 2.11.4 Kanken Techno Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.11.5 Kanken Techno Recent Developments/Updates
- 2.12 EBARA Technologies

- 2.12.1 EBARA Technologies Details
- 2.12.2 EBARA Technologies Major Business
- 2.12.3 EBARA Technologies Semiconductor Waste Gas Treatment System Product and Services
- 2.12.4 EBARA Technologies Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.12.5 EBARA Technologies Recent Developments/Updates
- 2.13 Verantis Environmental Solutions
 - 2.13.1 Verantis Environmental Solutions Details
 - 2.13.2 Verantis Environmental Solutions Major Business
 - 2.13.3 Verantis Environmental Solutions Semiconductor Waste Gas Treatment System Product and Services
 - 2.13.4 Verantis Environmental Solutions Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 Verantis Environmental Solutions Recent Developments/Updates
- 2.14 Watlow
 - 2.14.1 Watlow Details
 - 2.14.2 Watlow Major Business
 - 2.14.3 Watlow Semiconductor Waste Gas Treatment System Product and Services
 - 2.14.4 Watlow Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.14.5 Watlow Recent Developments/Updates
- 2.15 Centrotherm
 - 2.15.1 Centrotherm Details
 - 2.15.2 Centrotherm Major Business
 - 2.15.3 Centrotherm Semiconductor Waste Gas Treatment System Product and Services
 - 2.15.4 Centrotherm Semiconductor Waste Gas Treatment System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.15.5 Centrotherm Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SEMICONDUCTOR WASTE GAS TREATMENT SYSTEM BY MANUFACTURER

- 3.1 Global Semiconductor Waste Gas Treatment System Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Semiconductor Waste Gas Treatment System Revenue by Manufacturer (2021-2026)
- 3.3 Global Semiconductor Waste Gas Treatment System Average Price by

Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Semiconductor Waste Gas Treatment System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Semiconductor Waste Gas Treatment System Manufacturer Market Share in 2025

3.4.3 Top 6 Semiconductor Waste Gas Treatment System Manufacturer Market Share in 2025

3.5 Semiconductor Waste Gas Treatment System Market: Overall Company Footprint Analysis

3.5.1 Semiconductor Waste Gas Treatment System Market: Region Footprint

3.5.2 Semiconductor Waste Gas Treatment System Market: Company Product Type Footprint

3.5.3 Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Market Size by Region

4.1.1 Global Semiconductor Waste Gas Treatment System Sales Quantity by Region (2021-2032)

4.1.2 Global Semiconductor Waste Gas Treatment System Consumption Value by Region (2021-2032)

4.1.3 Global Semiconductor Waste Gas Treatment System Average Price by Region (2021-2032)

4.2 North America Semiconductor Waste Gas Treatment System Consumption Value (2021-2032)

4.3 Europe Semiconductor Waste Gas Treatment System Consumption Value (2021-2032)

4.4 Asia-Pacific Semiconductor Waste Gas Treatment System Consumption Value (2021-2032)

4.5 South America Semiconductor Waste Gas Treatment System Consumption Value (2021-2032)

4.6 Middle East & Africa Semiconductor Waste Gas Treatment System Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2032)

5.2 Global Semiconductor Waste Gas Treatment System Consumption Value by Type (2021-2032)

5.3 Global Semiconductor Waste Gas Treatment System Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2032)

6.2 Global Semiconductor Waste Gas Treatment System Consumption Value by Application (2021-2032)

6.3 Global Semiconductor Waste Gas Treatment System Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2032)

7.2 North America Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2032)

7.3 North America Semiconductor Waste Gas Treatment System Market Size by Country

7.3.1 North America Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2032)

7.3.2 North America Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2032)

8.2 Europe Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2032)

8.3 Europe Semiconductor Waste Gas Treatment System Market Size by Country

8.3.1 Europe Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2032)

8.3.2 Europe Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Semiconductor Waste Gas Treatment System Market Size by Region

9.3.1 Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2032)

10.2 South America Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2032)

10.3 South America Semiconductor Waste Gas Treatment System Market Size by Country

10.3.1 South America Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2032)

10.3.2 South America Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Semiconductor Waste Gas Treatment System Market Size by Country

11.3.1 Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Market Drivers

12.2 Semiconductor Waste Gas Treatment System Market Restraints

12.3 Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System and Key Manufacturers

13.2 Manufacturing Costs Percentage of Semiconductor Waste Gas Treatment System

13.3 Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Typical Distributors

14.3 Semiconductor Waste Gas Treatment System 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 Semiconductor Waste Gas Treatment System Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Semiconductor Waste Gas Treatment System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 3. DAS Environmental Expert Basic Information, Manufacturing Base and Competitors

Table 4. DAS Environmental Expert Major Business

Table 5. DAS Environmental Expert Semiconductor Waste Gas Treatment System Product and Services

Table 6. DAS Environmental Expert Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 7. DAS Environmental Expert Recent Developments/Updates

Table 8. Edwards Vacuum Basic Information, Manufacturing Base and Competitors

Table 9. Edwards Vacuum Major Business

Table 10. Edwards Vacuum Semiconductor Waste Gas Treatment System Product and Services

Table 11. Edwards Vacuum Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 12. Edwards Vacuum Recent Developments/Updates

Table 13. Applied Materials Basic Information, Manufacturing Base and Competitors

Table 14. Applied Materials Major Business

Table 15. Applied Materials Semiconductor Waste Gas Treatment System Product and Services

Table 16. Applied Materials Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 17. Applied Materials Recent Developments/Updates

Table 18. MKS Instruments Basic Information, Manufacturing Base and Competitors

Table 19. MKS Instruments Major Business

Table 20. MKS Instruments Semiconductor Waste Gas Treatment System Product and Services

Table 21. MKS Instruments Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and

Market Share (2021-2026)

Table 22. MKS Instruments Recent Developments/Updates

Table 23. Anguil Environmental Systems Basic Information, Manufacturing Base and Competitors

Table 24. Anguil Environmental Systems Major Business

Table 25. Anguil Environmental Systems Semiconductor Waste Gas Treatment System Product and Services

Table 26. Anguil Environmental Systems Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 27. Anguil Environmental Systems Recent Developments/Updates

Table 28. Busch Vacuum Basic Information, Manufacturing Base and Competitors

Table 29. Busch Vacuum Major Business

Table 30. Busch Vacuum Semiconductor Waste Gas Treatment System Product and Services

Table 31. Busch Vacuum Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 32. Busch Vacuum Recent Developments/Updates

Table 33. Novair Basic Information, Manufacturing Base and Competitors

Table 34. Novair Major Business

Table 35. Novair Semiconductor Waste Gas Treatment System Product and Services

Table 36. Novair Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 37. Novair Recent Developments/Updates

Table 38. Taiyo Nippon Sanso Basic Information, Manufacturing Base and Competitors

Table 39. Taiyo Nippon Sanso Major Business

Table 40. Taiyo Nippon Sanso Semiconductor Waste Gas Treatment System Product and Services

Table 41. Taiyo Nippon Sanso Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 42. Taiyo Nippon Sanso Recent Developments/Updates

Table 43. Sheng Jian Environment Technology Basic Information, Manufacturing Base and Competitors

Table 44. Sheng Jian Environment Technology Major Business

Table 45. Sheng Jian Environment Technology Semiconductor Waste Gas Treatment System Product and Services

Table 46. Sheng Jian Environment Technology Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 47. Sheng Jian Environment Technology Recent Developments/Updates

Table 48. Air Water Mechatronics Basic Information, Manufacturing Base and Competitors

Table 49. Air Water Mechatronics Major Business

Table 50. Air Water Mechatronics Semiconductor Waste Gas Treatment System Product and Services

Table 51. Air Water Mechatronics Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 52. Air Water Mechatronics Recent Developments/Updates

Table 53. Kanken Techno Basic Information, Manufacturing Base and Competitors

Table 54. Kanken Techno Major Business

Table 55. Kanken Techno Semiconductor Waste Gas Treatment System Product and Services

Table 56. Kanken Techno Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 57. Kanken Techno Recent Developments/Updates

Table 58. EBARA Technologies Basic Information, Manufacturing Base and Competitors

Table 59. EBARA Technologies Major Business

Table 60. EBARA Technologies Semiconductor Waste Gas Treatment System Product and Services

Table 61. EBARA Technologies Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 62. EBARA Technologies Recent Developments/Updates

Table 63. Verantis Environmental Solutions Basic Information, Manufacturing Base and Competitors

Table 64. Verantis Environmental Solutions Major Business

Table 65. Verantis Environmental Solutions Semiconductor Waste Gas Treatment System Product and Services

Table 66. Verantis Environmental Solutions Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 67. Verantis Environmental Solutions Recent Developments/Updates

Table 68. Watlow Basic Information, Manufacturing Base and Competitors

Table 69. Watlow Major Business

Table 70. Watlow Semiconductor Waste Gas Treatment System Product and Services

Table 71. Watlow Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Watlow Recent Developments/Updates

Table 73. Centrotherm Basic Information, Manufacturing Base and Competitors

Table 74. Centrotherm Major Business

Table 75. Centrotherm Semiconductor Waste Gas Treatment System Product and Services

Table 76. Centrotherm Semiconductor Waste Gas Treatment System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. Centrotherm Recent Developments/Updates

Table 78. Global Semiconductor Waste Gas Treatment System Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 79. Global Semiconductor Waste Gas Treatment System Revenue by Manufacturer (2021-2026) & (USD Million)

Table 80. Global Semiconductor Waste Gas Treatment System Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 81. Market Position of Manufacturers in Semiconductor Waste Gas Treatment System, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 82. Head Office and Semiconductor Waste Gas Treatment System Production Site of Key Manufacturer

Table 83. Semiconductor Waste Gas Treatment System Market: Company Product Type Footprint

Table 84. Semiconductor Waste Gas Treatment System Market: Company Product Application Footprint

Table 85. Semiconductor Waste Gas Treatment System New Market Entrants and Barriers to Market Entry

Table 86. Semiconductor Waste Gas Treatment System Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Semiconductor Waste Gas Treatment System Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 88. Global Semiconductor Waste Gas Treatment System Sales Quantity by Region (2021-2026) & (K Units)

Table 89. Global Semiconductor Waste Gas Treatment System Sales Quantity by Region (2027-2032) & (K Units)

Table 90. Global Semiconductor Waste Gas Treatment System Consumption Value by Region (2021-2026) & (USD Million)

Table 91. Global Semiconductor Waste Gas Treatment System Consumption Value by Region (2027-2032) & (USD Million)

Table 92. Global Semiconductor Waste Gas Treatment System Average Price by Region (2021-2026) & (US\$/Unit)

Table 93. Global Semiconductor Waste Gas Treatment System Average Price by Region (2027-2032) & (US\$/Unit)

Table 94. Global Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2026) & (K Units)

Table 95. Global Semiconductor Waste Gas Treatment System Sales Quantity by Type (2027-2032) & (K Units)

Table 96. Global Semiconductor Waste Gas Treatment System Consumption Value by Type (2021-2026) & (USD Million)

Table 97. Global Semiconductor Waste Gas Treatment System Consumption Value by Type (2027-2032) & (USD Million)

Table 98. Global Semiconductor Waste Gas Treatment System Average Price by Type (2021-2026) & (US\$/Unit)

Table 99. Global Semiconductor Waste Gas Treatment System Average Price by Type (2027-2032) & (US\$/Unit)

Table 100. Global Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2026) & (K Units)

Table 101. Global Semiconductor Waste Gas Treatment System Sales Quantity by Application (2027-2032) & (K Units)

Table 102. Global Semiconductor Waste Gas Treatment System Consumption Value by Application (2021-2026) & (USD Million)

Table 103. Global Semiconductor Waste Gas Treatment System Consumption Value by Application (2027-2032) & (USD Million)

Table 104. Global Semiconductor Waste Gas Treatment System Average Price by Application (2021-2026) & (US\$/Unit)

Table 105. Global Semiconductor Waste Gas Treatment System Average Price by Application (2027-2032) & (US\$/Unit)

Table 106. North America Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2026) & (K Units)

Table 107. North America Semiconductor Waste Gas Treatment System Sales Quantity by Type (2027-2032) & (K Units)

Table 108. North America Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2026) & (K Units)

Table 109. North America Semiconductor Waste Gas Treatment System Sales Quantity

by Application (2027-2032) & (K Units)

Table 110. North America Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2026) & (K Units)

Table 111. North America Semiconductor Waste Gas Treatment System Sales Quantity by Country (2027-2032) & (K Units)

Table 112. North America Semiconductor Waste Gas Treatment System Consumption Value by Country (2021-2026) & (USD Million)

Table 113. North America Semiconductor Waste Gas Treatment System Consumption Value by Country (2027-2032) & (USD Million)

Table 114. Europe Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2026) & (K Units)

Table 115. Europe Semiconductor Waste Gas Treatment System Sales Quantity by Type (2027-2032) & (K Units)

Table 116. Europe Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2026) & (K Units)

Table 117. Europe Semiconductor Waste Gas Treatment System Sales Quantity by Application (2027-2032) & (K Units)

Table 118. Europe Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2026) & (K Units)

Table 119. Europe Semiconductor Waste Gas Treatment System Sales Quantity by Country (2027-2032) & (K Units)

Table 120. Europe Semiconductor Waste Gas Treatment System Consumption Value by Country (2021-2026) & (USD Million)

Table 121. Europe Semiconductor Waste Gas Treatment System Consumption Value by Country (2027-2032) & (USD Million)

Table 122. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2026) & (K Units)

Table 123. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Type (2027-2032) & (K Units)

Table 124. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2026) & (K Units)

Table 125. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Application (2027-2032) & (K Units)

Table 126. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Region (2021-2026) & (K Units)

Table 127. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity by Region (2027-2032) & (K Units)

Table 128. Asia-Pacific Semiconductor Waste Gas Treatment System Consumption Value by Region (2021-2026) & (USD Million)

Table 129. Asia-Pacific Semiconductor Waste Gas Treatment System Consumption Value by Region (2027-2032) & (USD Million)

Table 130. South America Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2026) & (K Units)

Table 131. South America Semiconductor Waste Gas Treatment System Sales Quantity by Type (2027-2032) & (K Units)

Table 132. South America Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2026) & (K Units)

Table 133. South America Semiconductor Waste Gas Treatment System Sales Quantity by Application (2027-2032) & (K Units)

Table 134. South America Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2026) & (K Units)

Table 135. South America Semiconductor Waste Gas Treatment System Sales Quantity by Country (2027-2032) & (K Units)

Table 136. South America Semiconductor Waste Gas Treatment System Consumption Value by Country (2021-2026) & (USD Million)

Table 137. South America Semiconductor Waste Gas Treatment System Consumption Value by Country (2027-2032) & (USD Million)

Table 138. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Type (2021-2026) & (K Units)

Table 139. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Type (2027-2032) & (K Units)

Table 140. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Application (2021-2026) & (K Units)

Table 141. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Application (2027-2032) & (K Units)

Table 142. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Country (2021-2026) & (K Units)

Table 143. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity by Country (2027-2032) & (K Units)

Table 144. Middle East & Africa Semiconductor Waste Gas Treatment System Consumption Value by Country (2021-2026) & (USD Million)

Table 145. Middle East & Africa Semiconductor Waste Gas Treatment System Consumption Value by Country (2027-2032) & (USD Million)

Table 146. Semiconductor Waste Gas Treatment System Raw Material

Table 147. Key Manufacturers of Semiconductor Waste Gas Treatment System Raw Materials

Table 148. Semiconductor Waste Gas Treatment System Typical Distributors

Table 149. Semiconductor Waste Gas Treatment System Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Semiconductor Waste Gas Treatment System Picture
- Figure 2. Global Semiconductor Waste Gas Treatment System Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Semiconductor Waste Gas Treatment System Revenue Market Share by Type in 2025
- Figure 4. Thermal Gas Treatment Examples
- Figure 5. Dry Gas Treatment Examples
- Figure 6. Wet Gas Treatment Examples
- Figure 7. Global Semiconductor Waste Gas Treatment System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global Semiconductor Waste Gas Treatment System Revenue Market Share by Application in 2025
- Figure 9. Microchips Examples
- Figure 10. Photovoltaic Modules Examples
- Figure 11. Flat Screens Examples
- Figure 12. Light Emitting Diodes (LEDs) Examples
- Figure 13. Global Semiconductor Waste Gas Treatment System Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 14. Global Semiconductor Waste Gas Treatment System Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 15. Global Semiconductor Waste Gas Treatment System Sales Quantity (2021-2032) & (K Units)
- Figure 16. Global Semiconductor Waste Gas Treatment System Price (2021-2032) & (US\$/Unit)
- Figure 17. Global Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Manufacturer in 2025
- Figure 18. Global Semiconductor Waste Gas Treatment System Revenue Market Share by Manufacturer in 2025
- Figure 19. Producer Shipments of Semiconductor Waste Gas Treatment System by Manufacturer Sales (\$MM) and Market Share (%): 2025
- Figure 20. Top 3 Semiconductor Waste Gas Treatment System Manufacturer (Revenue) Market Share in 2025
- Figure 21. Top 6 Semiconductor Waste Gas Treatment System Manufacturer (Revenue) Market Share in 2025
- Figure 22. Global Semiconductor Waste Gas Treatment System Sales Quantity Market

Share by Region (2021-2032)

Figure 23. Global Semiconductor Waste Gas Treatment System Consumption Value Market Share by Region (2021-2032)

Figure 24. North America Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 25. Europe Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 26. Asia-Pacific Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 27. South America Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 28. Middle East & Africa Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 29. Global Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Type (2021-2032)

Figure 30. Global Semiconductor Waste Gas Treatment System Consumption Value Market Share by Type (2021-2032)

Figure 31. Global Semiconductor Waste Gas Treatment System Average Price by Type (2021-2032) & (US\$/Unit)

Figure 32. Global Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Application (2021-2032)

Figure 33. Global Semiconductor Waste Gas Treatment System Revenue Market Share by Application (2021-2032)

Figure 34. Global Semiconductor Waste Gas Treatment System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 35. North America Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Type (2021-2032)

Figure 36. North America Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Application (2021-2032)

Figure 37. North America Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Country (2021-2032)

Figure 38. North America Semiconductor Waste Gas Treatment System Consumption Value Market Share by Country (2021-2032)

Figure 39. United States Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 40. Canada Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 41. Mexico Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 42. Europe Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Type (2021-2032)

Figure 43. Europe Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Application (2021-2032)

Figure 44. Europe Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Country (2021-2032)

Figure 45. Europe Semiconductor Waste Gas Treatment System Consumption Value Market Share by Country (2021-2032)

Figure 46. Germany Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 47. France Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 48. United Kingdom Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 49. Russia Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 50. Italy Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 51. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Type (2021-2032)

Figure 52. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Application (2021-2032)

Figure 53. Asia-Pacific Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Region (2021-2032)

Figure 54. Asia-Pacific Semiconductor Waste Gas Treatment System Consumption Value Market Share by Region (2021-2032)

Figure 55. China Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 56. Japan Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 57. South Korea Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 58. India Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 59. Southeast Asia Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 60. Australia Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 61. South America Semiconductor Waste Gas Treatment System Sales Quantity

Market Share by Type (2021-2032)

Figure 62. South America Semiconductor Waste Gas Treatment System Sales Quantity

Market Share by Application (2021-2032)

Figure 63. South America Semiconductor Waste Gas Treatment System Sales Quantity

Market Share by Country (2021-2032)

Figure 64. South America Semiconductor Waste Gas Treatment System Consumption Value Market Share by Country (2021-2032)

Figure 65. Brazil Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 66. Argentina Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 67. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Type (2021-2032)

Figure 68. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Application (2021-2032)

Figure 69. Middle East & Africa Semiconductor Waste Gas Treatment System Sales Quantity Market Share by Country (2021-2032)

Figure 70. Middle East & Africa Semiconductor Waste Gas Treatment System Consumption Value Market Share by Country (2021-2032)

Figure 71. Turkey Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 72. Egypt Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 73. Saudi Arabia Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 74. South Africa Semiconductor Waste Gas Treatment System Consumption Value (2021-2032) & (USD Million)

Figure 75. Semiconductor Waste Gas Treatment System Market Drivers

Figure 76. Semiconductor Waste Gas Treatment System Market Restraints

Figure 77. Semiconductor Waste Gas Treatment System Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Semiconductor Waste Gas Treatment System in 2025

Figure 80. Manufacturing Process Analysis of Semiconductor Waste Gas Treatment System

Figure 81. Semiconductor Waste Gas Treatment System Industrial Chain

Figure 82. Sales Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

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