

Global Reactive Ion Etching (RIE) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GA2D3D7D6D34EN.html>

Date: March 2024

Pages: 96

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

ID: GA2D3D7D6D34EN

Abstracts

According to our (Global Info Research) latest study, the global Reactive Ion Etching (RIE) market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Reactive Ion Etching (RIE) is a dry etching technique widely used in semiconductor manufacturing, MEMS fabrication, microfabrication and nanotechnology to create patterns on the surface of various materials with high resolution and anisotropy. Unlike wet etching methods involving chemical reactions with liquid etchants, RIE uses reactive gases in a plasma state to chemically and physically remove the material from the surface. The use of reactive gases enables RIE to offer better control and precision over the etching process compared to other methods. The RIE process starts by placing a substrate, typically a silicon wafer covered with a patterned mask, inside a vacuum chamber. Reactive gases are then introduced into the chamber, and plasma is generated by applying an electric field using electrodes. The plasma consists of a mixture of ions, free electrons, and neutral particles. The electric field accelerates the ions in the plasma towards the substrate, resulting in both chemical reactions and physical sputtering at the surface. The combination of these two mechanisms removes the material selectively to create the desired pattern. One of the most significant benefits of RIE over other chemical etching methods is its ability to achieve high etch rates and anisotropy. The ion bombardment in RIE allows better control of the etching direction compared to isotropic plasma etching. The direction control results in sharp and well-defined features with minimal undercutting. Additionally, RIE is a versatile technique that can be used on materials including metals, semiconductors, and insulators in several applications. Furthermore, RIE etching is a dry etching method that avoids drawbacks associated with wet etching like contamination and the handling of

hazardous chemicals.

The Global Info Research report includes an overview of the development of the Reactive Ion Etching (RIE) industry chain, the market status of Semiconductor Manufacturing (Load-lock ICP Etch Systems, Atmospheric Cassette ICP-RIE Systems), MEMS Fabrication (Load-lock ICP Etch Systems, Atmospheric Cassette ICP-RIE Systems), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Reactive Ion Etching (RIE).

Regionally, the report analyzes the Reactive Ion Etching (RIE) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Reactive Ion Etching (RIE) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Reactive Ion Etching (RIE) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Reactive Ion Etching (RIE) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Load-lock ICP Etch Systems, Atmospheric Cassette ICP-RIE Systems).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Reactive Ion Etching (RIE) market.

Regional Analysis: The report involves examining the Reactive Ion Etching (RIE) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Reactive Ion Etching (RIE) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Reactive Ion Etching (RIE):

Company Analysis: Report covers individual Reactive Ion Etching (RIE) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Reactive Ion Etching (RIE). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Semiconductor Manufacturing, MEMS Fabrication).

Technology Analysis: Report covers specific technologies relevant to Reactive Ion Etching (RIE). It assesses the current state, advancements, and potential future developments in Reactive Ion Etching (RIE) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Reactive Ion Etching (RIE) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Reactive Ion Etching (RIE) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Load-lock ICP Etch Systems

Atmospheric Cassette ICP-RIE Systems

Market segment by Application

Semiconductor Manufacturing

MEMS Fabrication

Nanotechnology and Nanofabrication

Photonics and Optoelectronics

Surface Modification and Functionalization

Major players covered

Lam Research

Oxford Instruments

PlasmaTherm

SAMCO Inc.

Applied Materials, Inc.

ULTECH

Weina

SENTECH Instruments GmbH

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 Reactive Ion Etching (RIE) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Reactive Ion Etching (RIE), with price, sales, revenue and global market share of Reactive Ion Etching (RIE) from 2019 to 2024.

Chapter 3, the Reactive Ion Etching (RIE) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Reactive Ion Etching (RIE) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Reactive Ion Etching (RIE) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Reactive Ion

Etching (RIE).

Chapter 14 and 15, to describe Reactive Ion Etching (RIE) sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Reactive Ion Etching (RIE)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Reactive Ion Etching (RIE) Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Load-lock ICP Etch Systems
 - 1.3.3 Atmospheric Cassette ICP-RIE Systems
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Reactive Ion Etching (RIE) Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Semiconductor Manufacturing
 - 1.4.3 MEMS Fabrication
 - 1.4.4 Nanotechnology and Nanofabrication
 - 1.4.5 Photonics and Optoelectronics
 - 1.4.6 Surface Modification and Functionalization
- 1.5 Global Reactive Ion Etching (RIE) Market Size & Forecast
 - 1.5.1 Global Reactive Ion Etching (RIE) Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Reactive Ion Etching (RIE) Sales Quantity (2019-2030)
 - 1.5.3 Global Reactive Ion Etching (RIE) Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Lam Research
 - 2.1.1 Lam Research Details
 - 2.1.2 Lam Research Major Business
 - 2.1.3 Lam Research Reactive Ion Etching (RIE) Product and Services
 - 2.1.4 Lam Research Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Lam Research Recent Developments/Updates
- 2.2 Oxford Instruments
 - 2.2.1 Oxford Instruments Details
 - 2.2.2 Oxford Instruments Major Business
 - 2.2.3 Oxford Instruments Reactive Ion Etching (RIE) Product and Services
 - 2.2.4 Oxford Instruments Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.2.5 Oxford Instruments Recent Developments/Updates
- 2.3 PlasmaTherm
 - 2.3.1 PlasmaTherm Details
 - 2.3.2 PlasmaTherm Major Business
 - 2.3.3 PlasmaTherm Reactive Ion Etching (RIE) Product and Services
 - 2.3.4 PlasmaTherm Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.3.5 PlasmaTherm Recent Developments/Updates
- 2.4 SAMCO Inc.
 - 2.4.1 SAMCO Inc. Details
 - 2.4.2 SAMCO Inc. Major Business
 - 2.4.3 SAMCO Inc. Reactive Ion Etching (RIE) Product and Services
 - 2.4.4 SAMCO Inc. Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 SAMCO Inc. Recent Developments/Updates
- 2.5 Applied Materials, Inc.
 - 2.5.1 Applied Materials, Inc. Details
 - 2.5.2 Applied Materials, Inc. Major Business
 - 2.5.3 Applied Materials, Inc. Reactive Ion Etching (RIE) Product and Services
 - 2.5.4 Applied Materials, Inc. Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 Applied Materials, Inc. Recent Developments/Updates
- 2.6 ULTECH
 - 2.6.1 ULTECH Details
 - 2.6.2 ULTECH Major Business
 - 2.6.3 ULTECH Reactive Ion Etching (RIE) Product and Services
 - 2.6.4 ULTECH Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 ULTECH Recent Developments/Updates
- 2.7 Weina
 - 2.7.1 Weina Details
 - 2.7.2 Weina Major Business
 - 2.7.3 Weina Reactive Ion Etching (RIE) Product and Services
 - 2.7.4 Weina Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Weina Recent Developments/Updates
- 2.8 SENTECH Instruments GmbH
 - 2.8.1 SENTECH Instruments GmbH Details
 - 2.8.2 SENTECH Instruments GmbH Major Business

- 2.8.3 SENTECH Instruments GmbH Reactive Ion Etching (RIE) Product and Services
- 2.8.4 SENTECH Instruments GmbH Reactive Ion Etching (RIE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 SENTECH Instruments GmbH Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: REACTIVE ION ETCHING (RIE) BY MANUFACTURER

- 3.1 Global Reactive Ion Etching (RIE) Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Reactive Ion Etching (RIE) Revenue by Manufacturer (2019-2024)
- 3.3 Global Reactive Ion Etching (RIE) Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Reactive Ion Etching (RIE) by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Reactive Ion Etching (RIE) Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Reactive Ion Etching (RIE) Manufacturer Market Share in 2023
- 3.5 Reactive Ion Etching (RIE) Market: Overall Company Footprint Analysis
 - 3.5.1 Reactive Ion Etching (RIE) Market: Region Footprint
 - 3.5.2 Reactive Ion Etching (RIE) Market: Company Product Type Footprint
 - 3.5.3 Reactive Ion Etching (RIE) 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 Reactive Ion Etching (RIE) Market Size by Region
 - 4.1.1 Global Reactive Ion Etching (RIE) Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Reactive Ion Etching (RIE) Consumption Value by Region (2019-2030)
 - 4.1.3 Global Reactive Ion Etching (RIE) Average Price by Region (2019-2030)
- 4.2 North America Reactive Ion Etching (RIE) Consumption Value (2019-2030)
- 4.3 Europe Reactive Ion Etching (RIE) Consumption Value (2019-2030)
- 4.4 Asia-Pacific Reactive Ion Etching (RIE) Consumption Value (2019-2030)
- 4.5 South America Reactive Ion Etching (RIE) Consumption Value (2019-2030)
- 4.6 Middle East and Africa Reactive Ion Etching (RIE) Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2030)
- 5.2 Global Reactive Ion Etching (RIE) Consumption Value by Type (2019-2030)

5.3 Global Reactive Ion Etching (RIE) Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2030)

6.2 Global Reactive Ion Etching (RIE) Consumption Value by Application (2019-2030)

6.3 Global Reactive Ion Etching (RIE) Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2030)

7.2 North America Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2030)

7.3 North America Reactive Ion Etching (RIE) Market Size by Country

7.3.1 North America Reactive Ion Etching (RIE) Sales Quantity by Country (2019-2030)

7.3.2 North America Reactive Ion Etching (RIE) Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2030)

8.2 Europe Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2030)

8.3 Europe Reactive Ion Etching (RIE) Market Size by Country

8.3.1 Europe Reactive Ion Etching (RIE) Sales Quantity by Country (2019-2030)

8.3.2 Europe Reactive Ion Etching (RIE) Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Reactive Ion Etching (RIE) Market Size by Region

9.3.1 Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Reactive Ion Etching (RIE) Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2030)

10.2 South America Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2030)

10.3 South America Reactive Ion Etching (RIE) Market Size by Country

10.3.1 South America Reactive Ion Etching (RIE) Sales Quantity by Country (2019-2030)

10.3.2 South America Reactive Ion Etching (RIE) Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Reactive Ion Etching (RIE) Market Size by Country

11.3.1 Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Reactive Ion Etching (RIE) Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

- 12.1 Reactive Ion Etching (RIE) Market Drivers
- 12.2 Reactive Ion Etching (RIE) Market Restraints
- 12.3 Reactive Ion Etching (RIE) 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 Reactive Ion Etching (RIE) and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Reactive Ion Etching (RIE)
- 13.3 Reactive Ion Etching (RIE) Production Process
- 13.4 Reactive Ion Etching (RIE) Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Reactive Ion Etching (RIE) Typical Distributors
- 14.3 Reactive Ion Etching (RIE) 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 Reactive Ion Etching (RIE) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Reactive Ion Etching (RIE) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Lam Research Basic Information, Manufacturing Base and Competitors

Table 4. Lam Research Major Business

Table 5. Lam Research Reactive Ion Etching (RIE) Product and Services

Table 6. Lam Research Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Lam Research Recent Developments/Updates

Table 8. Oxford Instruments Basic Information, Manufacturing Base and Competitors

Table 9. Oxford Instruments Major Business

Table 10. Oxford Instruments Reactive Ion Etching (RIE) Product and Services

Table 11. Oxford Instruments Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Oxford Instruments Recent Developments/Updates

Table 13. PlasmaTherm Basic Information, Manufacturing Base and Competitors

Table 14. PlasmaTherm Major Business

Table 15. PlasmaTherm Reactive Ion Etching (RIE) Product and Services

Table 16. PlasmaTherm Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. PlasmaTherm Recent Developments/Updates

Table 18. SAMCO Inc. Basic Information, Manufacturing Base and Competitors

Table 19. SAMCO Inc. Major Business

Table 20. SAMCO Inc. Reactive Ion Etching (RIE) Product and Services

Table 21. SAMCO Inc. Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. SAMCO Inc. Recent Developments/Updates

Table 23. Applied Materials, Inc. Basic Information, Manufacturing Base and Competitors

Table 24. Applied Materials, Inc. Major Business

Table 25. Applied Materials, Inc. Reactive Ion Etching (RIE) Product and Services

Table 26. Applied Materials, Inc. Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share

(2019-2024)

Table 27. Applied Materials, Inc. Recent Developments/Updates

Table 28. ULTECH Basic Information, Manufacturing Base and Competitors

Table 29. ULTECH Major Business

Table 30. ULTECH Reactive Ion Etching (RIE) Product and Services

Table 31. ULTECH Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. ULTECH Recent Developments/Updates

Table 33. Weina Basic Information, Manufacturing Base and Competitors

Table 34. Weina Major Business

Table 35. Weina Reactive Ion Etching (RIE) Product and Services

Table 36. Weina Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Weina Recent Developments/Updates

Table 38. SENTECH Instruments GmbH Basic Information, Manufacturing Base and Competitors

Table 39. SENTECH Instruments GmbH Major Business

Table 40. SENTECH Instruments GmbH Reactive Ion Etching (RIE) Product and Services

Table 41. SENTECH Instruments GmbH Reactive Ion Etching (RIE) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. SENTECH Instruments GmbH Recent Developments/Updates

Table 43. Global Reactive Ion Etching (RIE) Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 44. Global Reactive Ion Etching (RIE) Revenue by Manufacturer (2019-2024) & (USD Million)

Table 45. Global Reactive Ion Etching (RIE) Average Price by Manufacturer (2019-2024) & (US\$/Unit)

Table 46. Market Position of Manufacturers in Reactive Ion Etching (RIE), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 47. Head Office and Reactive Ion Etching (RIE) Production Site of Key Manufacturer

Table 48. Reactive Ion Etching (RIE) Market: Company Product Type Footprint

Table 49. Reactive Ion Etching (RIE) Market: Company Product Application Footprint

Table 50. Reactive Ion Etching (RIE) New Market Entrants and Barriers to Market Entry

Table 51. Reactive Ion Etching (RIE) Mergers, Acquisition, Agreements, and Collaborations

Table 52. Global Reactive Ion Etching (RIE) Sales Quantity by Region (2019-2024) & (K

Units)

Table 53. Global Reactive Ion Etching (RIE) Sales Quantity by Region (2025-2030) & (K Units)

Table 54. Global Reactive Ion Etching (RIE) Consumption Value by Region (2019-2024) & (USD Million)

Table 55. Global Reactive Ion Etching (RIE) Consumption Value by Region (2025-2030) & (USD Million)

Table 56. Global Reactive Ion Etching (RIE) Average Price by Region (2019-2024) & (US\$/Unit)

Table 57. Global Reactive Ion Etching (RIE) Average Price by Region (2025-2030) & (US\$/Unit)

Table 58. Global Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2024) & (K Units)

Table 59. Global Reactive Ion Etching (RIE) Sales Quantity by Type (2025-2030) & (K Units)

Table 60. Global Reactive Ion Etching (RIE) Consumption Value by Type (2019-2024) & (USD Million)

Table 61. Global Reactive Ion Etching (RIE) Consumption Value by Type (2025-2030) & (USD Million)

Table 62. Global Reactive Ion Etching (RIE) Average Price by Type (2019-2024) & (US\$/Unit)

Table 63. Global Reactive Ion Etching (RIE) Average Price by Type (2025-2030) & (US\$/Unit)

Table 64. Global Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2024) & (K Units)

Table 65. Global Reactive Ion Etching (RIE) Sales Quantity by Application (2025-2030) & (K Units)

Table 66. Global Reactive Ion Etching (RIE) Consumption Value by Application (2019-2024) & (USD Million)

Table 67. Global Reactive Ion Etching (RIE) Consumption Value by Application (2025-2030) & (USD Million)

Table 68. Global Reactive Ion Etching (RIE) Average Price by Application (2019-2024) & (US\$/Unit)

Table 69. Global Reactive Ion Etching (RIE) Average Price by Application (2025-2030) & (US\$/Unit)

Table 70. North America Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2024) & (K Units)

Table 71. North America Reactive Ion Etching (RIE) Sales Quantity by Type (2025-2030) & (K Units)

Table 72. North America Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2024) & (K Units)

Table 73. North America Reactive Ion Etching (RIE) Sales Quantity by Application (2025-2030) & (K Units)

Table 74. North America Reactive Ion Etching (RIE) Sales Quantity by Country (2019-2024) & (K Units)

Table 75. North America Reactive Ion Etching (RIE) Sales Quantity by Country (2025-2030) & (K Units)

Table 76. North America Reactive Ion Etching (RIE) Consumption Value by Country (2019-2024) & (USD Million)

Table 77. North America Reactive Ion Etching (RIE) Consumption Value by Country (2025-2030) & (USD Million)

Table 78. Europe Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2024) & (K Units)

Table 79. Europe Reactive Ion Etching (RIE) Sales Quantity by Type (2025-2030) & (K Units)

Table 80. Europe Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2024) & (K Units)

Table 81. Europe Reactive Ion Etching (RIE) Sales Quantity by Application (2025-2030) & (K Units)

Table 82. Europe Reactive Ion Etching (RIE) Sales Quantity by Country (2019-2024) & (K Units)

Table 83. Europe Reactive Ion Etching (RIE) Sales Quantity by Country (2025-2030) & (K Units)

Table 84. Europe Reactive Ion Etching (RIE) Consumption Value by Country (2019-2024) & (USD Million)

Table 85. Europe Reactive Ion Etching (RIE) Consumption Value by Country (2025-2030) & (USD Million)

Table 86. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Type (2019-2024) & (K Units)

Table 87. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Type (2025-2030) & (K Units)

Table 88. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Application (2019-2024) & (K Units)

Table 89. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Application (2025-2030) & (K Units)

Table 90. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Region (2019-2024) & (K Units)

Table 91. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity by Region

(2025-2030) & (K Units)

Table 92. Asia-Pacific Reactive Ion Etching (RIE) Consumption Value by Region
(2019-2024) & (USD Million)

Table 93. Asia-Pacific Reactive Ion Etching (RIE) Consumption Value by Region
(2025-2030) & (USD Million)

Table 94. South America Reactive Ion Etching (RIE) Sales Quantity by Type
(2019-2024) & (K Units)

Table 95. South America Reactive Ion Etching (RIE) Sales Quantity by Type
(2025-2030) & (K Units)

Table 96. South America Reactive Ion Etching (RIE) Sales Quantity by Application
(2019-2024) & (K Units)

Table 97. South America Reactive Ion Etching (RIE) Sales Quantity by Application
(2025-2030) & (K Units)

Table 98. South America Reactive Ion Etching (RIE) Sales Quantity by Country
(2019-2024) & (K Units)

Table 99. South America Reactive Ion Etching (RIE) Sales Quantity by Country
(2025-2030) & (K Units)

Table 100. South America Reactive Ion Etching (RIE) Consumption Value by Country
(2019-2024) & (USD Million)

Table 101. South America Reactive Ion Etching (RIE) Consumption Value by Country
(2025-2030) & (USD Million)

Table 102. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by Type
(2019-2024) & (K Units)

Table 103. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by Type
(2025-2030) & (K Units)

Table 104. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by
Application (2019-2024) & (K Units)

Table 105. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by
Application (2025-2030) & (K Units)

Table 106. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by Region
(2019-2024) & (K Units)

Table 107. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity by Region
(2025-2030) & (K Units)

Table 108. Middle East & Africa Reactive Ion Etching (RIE) Consumption Value by
Region (2019-2024) & (USD Million)

Table 109. Middle East & Africa Reactive Ion Etching (RIE) Consumption Value by
Region (2025-2030) & (USD Million)

Table 110. Reactive Ion Etching (RIE) Raw Material

Table 111. Key Manufacturers of Reactive Ion Etching (RIE) Raw Materials

Table 112. Reactive Ion Etching (RIE) Typical Distributors

Table 113. Reactive Ion Etching (RIE) Typical Customers

LIST OF FIGURE

s

Figure 1. Reactive Ion Etching (RIE) Picture

Figure 2. Global Reactive Ion Etching (RIE) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Reactive Ion Etching (RIE) Consumption Value Market Share by Type in 2023

Figure 4. Load-lock ICP Etch Systems Examples

Figure 5. Atmospheric Cassette ICP-RIE Systems Examples

Figure 6. Global Reactive Ion Etching (RIE) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Reactive Ion Etching (RIE) Consumption Value Market Share by Application in 2023

Figure 8. Semiconductor Manufacturing Examples

Figure 9. MEMS Fabrication Examples

Figure 10. Nanotechnology and Nanofabrication Examples

Figure 11. Photonics and Optoelectronics Examples

Figure 12. Surface Modification and Functionalization Examples

Figure 13. Global Reactive Ion Etching (RIE) Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 14. Global Reactive Ion Etching (RIE) Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 15. Global Reactive Ion Etching (RIE) Sales Quantity (2019-2030) & (K Units)

Figure 16. Global Reactive Ion Etching (RIE) Average Price (2019-2030) & (US\$/Unit)

Figure 17. Global Reactive Ion Etching (RIE) Sales Quantity Market Share by Manufacturer in 2023

Figure 18. Global Reactive Ion Etching (RIE) Consumption Value Market Share by Manufacturer in 2023

Figure 19. Producer Shipments of Reactive Ion Etching (RIE) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 20. Top 3 Reactive Ion Etching (RIE) Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Top 6 Reactive Ion Etching (RIE) Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Global Reactive Ion Etching (RIE) Sales Quantity Market Share by Region (2019-2030)

Figure 23. Global Reactive Ion Etching (RIE) Consumption Value Market Share by Region (2019-2030)

Figure 24. North America Reactive Ion Etching (RIE) Consumption Value (2019-2030) & (USD Million)

Figure 25. Europe Reactive Ion Etching (RIE) Consumption Value (2019-2030) & (USD Million)

Figure 26. Asia-Pacific Reactive Ion Etching (RIE) Consumption Value (2019-2030) & (USD Million)

Figure 27. South America Reactive Ion Etching (RIE) Consumption Value (2019-2030) & (USD Million)

Figure 28. Middle East & Africa Reactive Ion Etching (RIE) Consumption Value (2019-2030) & (USD Million)

Figure 29. Global Reactive Ion Etching (RIE) Sales Quantity Market Share by Type (2019-2030)

Figure 30. Global Reactive Ion Etching (RIE) Consumption Value Market Share by Type (2019-2030)

Figure 31. Global Reactive Ion Etching (RIE) Average Price by Type (2019-2030) & (US\$/Unit)

Figure 32. Global Reactive Ion Etching (RIE) Sales Quantity Market Share by Application (2019-2030)

Figure 33. Global Reactive Ion Etching (RIE) Consumption Value Market Share by Application (2019-2030)

Figure 34. Global Reactive Ion Etching (RIE) Average Price by Application (2019-2030) & (US\$/Unit)

Figure 35. North America Reactive Ion Etching (RIE) Sales Quantity Market Share by Type (2019-2030)

Figure 36. North America Reactive Ion Etching (RIE) Sales Quantity Market Share by Application (2019-2030)

Figure 37. North America Reactive Ion Etching (RIE) Sales Quantity Market Share by Country (2019-2030)

Figure 38. North America Reactive Ion Etching (RIE) Consumption Value Market Share by Country (2019-2030)

Figure 39. United States Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Canada Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Mexico Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Europe Reactive Ion Etching (RIE) Sales Quantity Market Share by Type

(2019-2030)

Figure 43. Europe Reactive Ion Etching (RIE) Sales Quantity Market Share by Application (2019-2030)

Figure 44. Europe Reactive Ion Etching (RIE) Sales Quantity Market Share by Country (2019-2030)

Figure 45. Europe Reactive Ion Etching (RIE) Consumption Value Market Share by Country (2019-2030)

Figure 46. Germany Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. France Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. United Kingdom Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Russia Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Italy Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity Market Share by Type (2019-2030)

Figure 52. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity Market Share by Application (2019-2030)

Figure 53. Asia-Pacific Reactive Ion Etching (RIE) Sales Quantity Market Share by Region (2019-2030)

Figure 54. Asia-Pacific Reactive Ion Etching (RIE) Consumption Value Market Share by Region (2019-2030)

Figure 55. China Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Japan Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Korea Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. India Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Southeast Asia Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Australia Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. South America Reactive Ion Etching (RIE) Sales Quantity Market Share by Type (2019-2030)

Figure 62. South America Reactive Ion Etching (RIE) Sales Quantity Market Share by Application (2019-2030)

Figure 63. South America Reactive Ion Etching (RIE) Sales Quantity Market Share by Country (2019-2030)

Figure 64. South America Reactive Ion Etching (RIE) Consumption Value Market Share by Country (2019-2030)

Figure 65. Brazil Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Argentina Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity Market Share by Type (2019-2030)

Figure 68. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity Market Share by Application (2019-2030)

Figure 69. Middle East & Africa Reactive Ion Etching (RIE) Sales Quantity Market Share by Region (2019-2030)

Figure 70. Middle East & Africa Reactive Ion Etching (RIE) Consumption Value Market Share by Region (2019-2030)

Figure 71. Turkey Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Egypt Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Saudi Arabia Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. South Africa Reactive Ion Etching (RIE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Reactive Ion Etching (RIE) Market Drivers

Figure 76. Reactive Ion Etching (RIE) Market Restraints

Figure 77. Reactive Ion Etching (RIE) Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Reactive Ion Etching (RIE) in 2023

Figure 80. Manufacturing Process Analysis of Reactive Ion Etching (RIE)

Figure 81. Reactive Ion Etching (RIE) Industrial Chain

Figure 82. Sales Quantity 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

I would like to order

Product name: Global Reactive Ion Etching (RIE) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/GA2D3D7D6D34EN.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/GA2D3D7D6D34EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

