

Global Etching Cleaning Gas Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G642B8959339EN.html>

Date: November 2025

Pages: 140

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

ID: G642B8959339EN

Abstracts

According to our (Global Info Research) latest study, the global Etching Cleaning Gas market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Etching Cleaning Gas refers to a type of gas used in the etching process of semiconductor manufacturing to clean and prepare surfaces. In semiconductor fabrication, etching is a critical step where material is selectively removed from a substrate to create intricate patterns. Common etching cleaning gases include fluorine-based gases like CF₄ (carbon tetrafluoride) and SF₆ (sulfur hexafluoride), among others. These gases are selected based on their chemical reactivity and effectiveness in removing specific types of residues.

The global market for semiconductor was estimated at US\$ 579 billion in the year 2022, is projected to US\$ 790 billion by 2029, growing at a CAGR of 6% during the forecast period. Although some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.76%, Sensor with 16.31%, and Logic with 14.46% growth, Memory declined with 12.64% year over year. The microprocessor (MPU) and microcontroller (MCU) segments will experience stagnant growth due to weak shipments and investment in notebooks, computers, and standard desktops. In the current market scenario, the growing popularity of IoT-based electronics is stimulating the need for powerful processors and controllers. Hybrid MPUs and MCUs provide real-

time embedded processing and control for the topmost IoT-based applications, resulting in significant market growth. The Analog IC segment is expected to grow gradually, while demand from the networking and communications industries is limited. Few of the emerging trends in the growing demand for Analog integrated circuits include signal conversion, automotive-specific Analog applications, and power management. They drive the growing demand for discrete power devices.

This report is a detailed and comprehensive analysis for global Etching Cleaning Gas 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 Etching Cleaning Gas market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Etching Cleaning Gas market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Etching Cleaning Gas market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Etching Cleaning Gas market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

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 Etching Cleaning Gas
- 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 Etching Cleaning Gas 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 Linde Group, Air Liquide, Iceblick, Air Product, Messer Group, Air Water, Coregas, Cryogenmash, Central Glass, Arkema, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Etching Cleaning Gas market is split by Type and by Application. For the period 2020-2031, 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

Fluorine-based Gases

Chlorine-based Gases

Bromine-based Gases

Others

Market segment by Application

Semiconductor Cleaning

Semiconductor Etching

Major players covered

Linde Group

Air Liquide

Iceblick

Air Product

Messer Group

Air Water

Coregas

Cryogenmash

Central Glass

Arkema

Wisco Oxygen

Shougang Gases

Resonac

Huate Gas

Linggas

Jinhong Gas

Zhejiang Juhua

Haohua Chemical

Jiangsu Yoke Technology

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 Etching Cleaning Gas product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Etching Cleaning Gas, with price, sales quantity, revenue, and global market share of Etching Cleaning Gas from 2020 to 2025.

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

Chapter 4, the Etching Cleaning Gas breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Etching Cleaning Gas market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Etching Cleaning Gas.

Chapter 14 and 15, to describe Etching Cleaning Gas 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 Etching Cleaning Gas Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Fluorine-based Gases

1.3.3 Chlorine-based Gases

1.3.4 Bromine-based Gases

1.3.5 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Etching Cleaning Gas Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Semiconductor Cleaning

1.4.3 Semiconductor Etching

1.5 Global Etching Cleaning Gas Market Size & Forecast

1.5.1 Global Etching Cleaning Gas Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Etching Cleaning Gas Sales Quantity (2020-2031)

1.5.3 Global Etching Cleaning Gas Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Linde Group

2.1.1 Linde Group Details

2.1.2 Linde Group Major Business

2.1.3 Linde Group Etching Cleaning Gas Product and Services

2.1.4 Linde Group Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Linde Group Recent Developments/Updates

2.2 Air Liquide

2.2.1 Air Liquide Details

2.2.2 Air Liquide Major Business

2.2.3 Air Liquide Etching Cleaning Gas Product and Services

2.2.4 Air Liquide Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Air Liquide Recent Developments/Updates

2.3 Iceblick

2.3.1 Iceblick Details

2.3.2 Iceblick Major Business

2.3.3 Iceblick Etching Cleaning Gas Product and Services

2.3.4 Iceblick Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Iceblick Recent Developments/Updates

2.4 Air Product

2.4.1 Air Product Details

2.4.2 Air Product Major Business

2.4.3 Air Product Etching Cleaning Gas Product and Services

2.4.4 Air Product Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Air Product Recent Developments/Updates

2.5 Messer Group

2.5.1 Messer Group Details

2.5.2 Messer Group Major Business

2.5.3 Messer Group Etching Cleaning Gas Product and Services

2.5.4 Messer Group Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Messer Group Recent Developments/Updates

2.6 Air Water

2.6.1 Air Water Details

2.6.2 Air Water Major Business

2.6.3 Air Water Etching Cleaning Gas Product and Services

2.6.4 Air Water Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Air Water Recent Developments/Updates

2.7 Coregas

2.7.1 Coregas Details

2.7.2 Coregas Major Business

2.7.3 Coregas Etching Cleaning Gas Product and Services

2.7.4 Coregas Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Coregas Recent Developments/Updates

2.8 Cryogenmash

2.8.1 Cryogenmash Details

2.8.2 Cryogenmash Major Business

2.8.3 Cryogenmash Etching Cleaning Gas Product and Services

2.8.4 Cryogenmash Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Cryogenmash Recent Developments/Updates

2.9 Central Glass

2.9.1 Central Glass Details

2.9.2 Central Glass Major Business

2.9.3 Central Glass Etching Cleaning Gas Product and Services

2.9.4 Central Glass Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Central Glass Recent Developments/Updates

2.10 Arkema

2.10.1 Arkema Details

2.10.2 Arkema Major Business

2.10.3 Arkema Etching Cleaning Gas Product and Services

2.10.4 Arkema Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 Arkema Recent Developments/Updates

2.11 Wisco Oxygen

2.11.1 Wisco Oxygen Details

2.11.2 Wisco Oxygen Major Business

2.11.3 Wisco Oxygen Etching Cleaning Gas Product and Services

2.11.4 Wisco Oxygen Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 Wisco Oxygen Recent Developments/Updates

2.12 Shougang Gases

2.12.1 Shougang Gases Details

2.12.2 Shougang Gases Major Business

2.12.3 Shougang Gases Etching Cleaning Gas Product and Services

2.12.4 Shougang Gases Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 Shougang Gases Recent Developments/Updates

2.13 Resonac

2.13.1 Resonac Details

2.13.2 Resonac Major Business

2.13.3 Resonac Etching Cleaning Gas Product and Services

2.13.4 Resonac Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Resonac Recent Developments/Updates

2.14 Huate Gas

- 2.14.1 Huate Gas Details
- 2.14.2 Huate Gas Major Business
- 2.14.3 Huate Gas Etching Cleaning Gas Product and Services
- 2.14.4 Huate Gas Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.14.5 Huate Gas Recent Developments/Updates
- 2.15 Linggas
 - 2.15.1 Linggas Details
 - 2.15.2 Linggas Major Business
 - 2.15.3 Linggas Etching Cleaning Gas Product and Services
 - 2.15.4 Linggas Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Linggas Recent Developments/Updates
- 2.16 Jinhong Gas
 - 2.16.1 Jinhong Gas Details
 - 2.16.2 Jinhong Gas Major Business
 - 2.16.3 Jinhong Gas Etching Cleaning Gas Product and Services
 - 2.16.4 Jinhong Gas Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 Jinhong Gas Recent Developments/Updates
- 2.17 Zhejiang Juhua
 - 2.17.1 Zhejiang Juhua Details
 - 2.17.2 Zhejiang Juhua Major Business
 - 2.17.3 Zhejiang Juhua Etching Cleaning Gas Product and Services
 - 2.17.4 Zhejiang Juhua Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Zhejiang Juhua Recent Developments/Updates
- 2.18 Haohua Chemical
 - 2.18.1 Haohua Chemical Details
 - 2.18.2 Haohua Chemical Major Business
 - 2.18.3 Haohua Chemical Etching Cleaning Gas Product and Services
 - 2.18.4 Haohua Chemical Etching Cleaning Gas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.18.5 Haohua Chemical Recent Developments/Updates
- 2.19 Jiangsu Yoke Technology
 - 2.19.1 Jiangsu Yoke Technology Details
 - 2.19.2 Jiangsu Yoke Technology Major Business
 - 2.19.3 Jiangsu Yoke Technology Etching Cleaning Gas Product and Services
 - 2.19.4 Jiangsu Yoke Technology Etching Cleaning Gas Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2020-2025)

2.19.5 Jiangsu Yoke Technology Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: ETCHING CLEANING GAS BY MANUFACTURER

3.1 Global Etching Cleaning Gas Sales Quantity by Manufacturer (2020-2025)

3.2 Global Etching Cleaning Gas Revenue by Manufacturer (2020-2025)

3.3 Global Etching Cleaning Gas Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Etching Cleaning Gas by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Etching Cleaning Gas Manufacturer Market Share in 2024

3.4.3 Top 6 Etching Cleaning Gas Manufacturer Market Share in 2024

3.5 Etching Cleaning Gas Market: Overall Company Footprint Analysis

3.5.1 Etching Cleaning Gas Market: Region Footprint

3.5.2 Etching Cleaning Gas Market: Company Product Type Footprint

3.5.3 Etching Cleaning Gas 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 Etching Cleaning Gas Market Size by Region

4.1.1 Global Etching Cleaning Gas Sales Quantity by Region (2020-2031)

4.1.2 Global Etching Cleaning Gas Consumption Value by Region (2020-2031)

4.1.3 Global Etching Cleaning Gas Average Price by Region (2020-2031)

4.2 North America Etching Cleaning Gas Consumption Value (2020-2031)

4.3 Europe Etching Cleaning Gas Consumption Value (2020-2031)

4.4 Asia-Pacific Etching Cleaning Gas Consumption Value (2020-2031)

4.5 South America Etching Cleaning Gas Consumption Value (2020-2031)

4.6 Middle East & Africa Etching Cleaning Gas Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global Etching Cleaning Gas Sales Quantity by Type (2020-2031)

5.2 Global Etching Cleaning Gas Consumption Value by Type (2020-2031)

5.3 Global Etching Cleaning Gas Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Etching Cleaning Gas Sales Quantity by Application (2020-2031)
- 6.2 Global Etching Cleaning Gas Consumption Value by Application (2020-2031)
- 6.3 Global Etching Cleaning Gas Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Etching Cleaning Gas Sales Quantity by Type (2020-2031)
- 7.2 North America Etching Cleaning Gas Sales Quantity by Application (2020-2031)
- 7.3 North America Etching Cleaning Gas Market Size by Country
 - 7.3.1 North America Etching Cleaning Gas Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Etching Cleaning Gas Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Etching Cleaning Gas Sales Quantity by Type (2020-2031)
- 8.2 Europe Etching Cleaning Gas Sales Quantity by Application (2020-2031)
- 8.3 Europe Etching Cleaning Gas Market Size by Country
 - 8.3.1 Europe Etching Cleaning Gas Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Etching Cleaning Gas Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)
 - 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Etching Cleaning Gas Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Etching Cleaning Gas Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Etching Cleaning Gas Market Size by Region
 - 9.3.1 Asia-Pacific Etching Cleaning Gas Sales Quantity by Region (2020-2031)
 - 9.3.2 Asia-Pacific Etching Cleaning Gas Consumption Value by Region (2020-2031)
 - 9.3.3 China Market Size and Forecast (2020-2031)
 - 9.3.4 Japan Market Size and Forecast (2020-2031)

- 9.3.5 South Korea Market Size and Forecast (2020-2031)
- 9.3.6 India Market Size and Forecast (2020-2031)
- 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
- 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America Etching Cleaning Gas Sales Quantity by Type (2020-2031)
- 10.2 South America Etching Cleaning Gas Sales Quantity by Application (2020-2031)
- 10.3 South America Etching Cleaning Gas Market Size by Country
 - 10.3.1 South America Etching Cleaning Gas Sales Quantity by Country (2020-2031)
 - 10.3.2 South America Etching Cleaning Gas Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)
 - 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Etching Cleaning Gas Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa Etching Cleaning Gas Sales Quantity by Application (2020-2031)
- 11.3 Middle East & Africa Etching Cleaning Gas Market Size by Country
 - 11.3.1 Middle East & Africa Etching Cleaning Gas Sales Quantity by Country (2020-2031)
 - 11.3.2 Middle East & Africa Etching Cleaning Gas Consumption Value by Country (2020-2031)
 - 11.3.3 Turkey Market Size and Forecast (2020-2031)
 - 11.3.4 Egypt Market Size and Forecast (2020-2031)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
 - 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Etching Cleaning Gas Market Drivers
- 12.2 Etching Cleaning Gas Market Restraints
- 12.3 Etching Cleaning Gas 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 Etching Cleaning Gas and Key Manufacturers

13.2 Manufacturing Costs Percentage of Etching Cleaning Gas

13.3 Etching Cleaning Gas 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 Etching Cleaning Gas Typical Distributors

14.3 Etching Cleaning Gas 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 Etching Cleaning Gas Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Etching Cleaning Gas Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Linde Group Basic Information, Manufacturing Base and Competitors

Table 4. Linde Group Major Business

Table 5. Linde Group Etching Cleaning Gas Product and Services

Table 6. Linde Group Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Linde Group Recent Developments/Updates

Table 8. Air Liquide Basic Information, Manufacturing Base and Competitors

Table 9. Air Liquide Major Business

Table 10. Air Liquide Etching Cleaning Gas Product and Services

Table 11. Air Liquide Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Air Liquide Recent Developments/Updates

Table 13. Iceblick Basic Information, Manufacturing Base and Competitors

Table 14. Iceblick Major Business

Table 15. Iceblick Etching Cleaning Gas Product and Services

Table 16. Iceblick Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Iceblick Recent Developments/Updates

Table 18. Air Product Basic Information, Manufacturing Base and Competitors

Table 19. Air Product Major Business

Table 20. Air Product Etching Cleaning Gas Product and Services

Table 21. Air Product Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Air Product Recent Developments/Updates

Table 23. Messer Group Basic Information, Manufacturing Base and Competitors

Table 24. Messer Group Major Business

Table 25. Messer Group Etching Cleaning Gas Product and Services

Table 26. Messer Group Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Messer Group Recent Developments/Updates

Table 28. Air Water Basic Information, Manufacturing Base and Competitors

Table 29. Air Water Major Business

Table 30. Air Water Etching Cleaning Gas Product and Services

Table 31. Air Water Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Air Water Recent Developments/Updates

Table 33. Coregas Basic Information, Manufacturing Base and Competitors

Table 34. Coregas Major Business

Table 35. Coregas Etching Cleaning Gas Product and Services

Table 36. Coregas Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Coregas Recent Developments/Updates

Table 38. Cryogenmash Basic Information, Manufacturing Base and Competitors

Table 39. Cryogenmash Major Business

Table 40. Cryogenmash Etching Cleaning Gas Product and Services

Table 41. Cryogenmash Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Cryogenmash Recent Developments/Updates

Table 43. Central Glass Basic Information, Manufacturing Base and Competitors

Table 44. Central Glass Major Business

Table 45. Central Glass Etching Cleaning Gas Product and Services

Table 46. Central Glass Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Central Glass Recent Developments/Updates

Table 48. Arkema Basic Information, Manufacturing Base and Competitors

Table 49. Arkema Major Business

Table 50. Arkema Etching Cleaning Gas Product and Services

Table 51. Arkema Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Arkema Recent Developments/Updates

Table 53. Wisco Oxygen Basic Information, Manufacturing Base and Competitors

Table 54. Wisco Oxygen Major Business

Table 55. Wisco Oxygen Etching Cleaning Gas Product and Services

Table 56. Wisco Oxygen Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Wisco Oxygen Recent Developments/Updates

Table 58. Shougang Gases Basic Information, Manufacturing Base and Competitors

Table 59. Shougang Gases Major Business

Table 60. Shougang Gases Etching Cleaning Gas Product and Services

Table 61. Shougang Gases Etching Cleaning Gas Sales Quantity (Tons), Average Price

(US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Shougang Gases Recent Developments/Updates

Table 63. Resonac Basic Information, Manufacturing Base and Competitors

Table 64. Resonac Major Business

Table 65. Resonac Etching Cleaning Gas Product and Services

Table 66. Resonac Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Resonac Recent Developments/Updates

Table 68. Huate Gas Basic Information, Manufacturing Base and Competitors

Table 69. Huate Gas Major Business

Table 70. Huate Gas Etching Cleaning Gas Product and Services

Table 71. Huate Gas Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Huate Gas Recent Developments/Updates

Table 73. Linggas Basic Information, Manufacturing Base and Competitors

Table 74. Linggas Major Business

Table 75. Linggas Etching Cleaning Gas Product and Services

Table 76. Linggas Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Linggas Recent Developments/Updates

Table 78. Jinhong Gas Basic Information, Manufacturing Base and Competitors

Table 79. Jinhong Gas Major Business

Table 80. Jinhong Gas Etching Cleaning Gas Product and Services

Table 81. Jinhong Gas Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. Jinhong Gas Recent Developments/Updates

Table 83. Zhejiang Juhua Basic Information, Manufacturing Base and Competitors

Table 84. Zhejiang Juhua Major Business

Table 85. Zhejiang Juhua Etching Cleaning Gas Product and Services

Table 86. Zhejiang Juhua Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. Zhejiang Juhua Recent Developments/Updates

Table 88. Haohua Chemical Basic Information, Manufacturing Base and Competitors

Table 89. Haohua Chemical Major Business

Table 90. Haohua Chemical Etching Cleaning Gas Product and Services

Table 91. Haohua Chemical Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 92. Haohua Chemical Recent Developments/Updates

Table 93. Jiangsu Yoke Technology Basic Information, Manufacturing Base and

Competitors

Table 94. Jiangsu Yoke Technology Major Business

Table 95. Jiangsu Yoke Technology Etching Cleaning Gas Product and Services

Table 96. Jiangsu Yoke Technology Etching Cleaning Gas Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 97. Jiangsu Yoke Technology Recent Developments/Updates

Table 98. Global Etching Cleaning Gas Sales Quantity by Manufacturer (2020-2025) & (Tons)

Table 99. Global Etching Cleaning Gas Revenue by Manufacturer (2020-2025) & (USD Million)

Table 100. Global Etching Cleaning Gas Average Price by Manufacturer (2020-2025) & (US\$/Ton)

Table 101. Market Position of Manufacturers in Etching Cleaning Gas, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 102. Head Office and Etching Cleaning Gas Production Site of Key Manufacturer

Table 103. Etching Cleaning Gas Market: Company Product Type Footprint

Table 104. Etching Cleaning Gas Market: Company Product Application Footprint

Table 105. Etching Cleaning Gas New Market Entrants and Barriers to Market Entry

Table 106. Etching Cleaning Gas Mergers, Acquisition, Agreements, and Collaborations

Table 107. Global Etching Cleaning Gas Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 108. Global Etching Cleaning Gas Sales Quantity by Region (2020-2025) & (Tons)

Table 109. Global Etching Cleaning Gas Sales Quantity by Region (2026-2031) & (Tons)

Table 110. Global Etching Cleaning Gas Consumption Value by Region (2020-2025) & (USD Million)

Table 111. Global Etching Cleaning Gas Consumption Value by Region (2026-2031) & (USD Million)

Table 112. Global Etching Cleaning Gas Average Price by Region (2020-2025) & (US\$/Ton)

Table 113. Global Etching Cleaning Gas Average Price by Region (2026-2031) & (US\$/Ton)

Table 114. Global Etching Cleaning Gas Sales Quantity by Type (2020-2025) & (Tons)

Table 115. Global Etching Cleaning Gas Sales Quantity by Type (2026-2031) & (Tons)

Table 116. Global Etching Cleaning Gas Consumption Value by Type (2020-2025) & (USD Million)

Table 117. Global Etching Cleaning Gas Consumption Value by Type (2026-2031) &

(USD Million)

Table 118. Global Etching Cleaning Gas Average Price by Type (2020-2025) & (US\$/Ton)

Table 119. Global Etching Cleaning Gas Average Price by Type (2026-2031) & (US\$/Ton)

Table 120. Global Etching Cleaning Gas Sales Quantity by Application (2020-2025) & (Tons)

Table 121. Global Etching Cleaning Gas Sales Quantity by Application (2026-2031) & (Tons)

Table 122. Global Etching Cleaning Gas Consumption Value by Application (2020-2025) & (USD Million)

Table 123. Global Etching Cleaning Gas Consumption Value by Application (2026-2031) & (USD Million)

Table 124. Global Etching Cleaning Gas Average Price by Application (2020-2025) & (US\$/Ton)

Table 125. Global Etching Cleaning Gas Average Price by Application (2026-2031) & (US\$/Ton)

Table 126. North America Etching Cleaning Gas Sales Quantity by Type (2020-2025) & (Tons)

Table 127. North America Etching Cleaning Gas Sales Quantity by Type (2026-2031) & (Tons)

Table 128. North America Etching Cleaning Gas Sales Quantity by Application (2020-2025) & (Tons)

Table 129. North America Etching Cleaning Gas Sales Quantity by Application (2026-2031) & (Tons)

Table 130. North America Etching Cleaning Gas Sales Quantity by Country (2020-2025) & (Tons)

Table 131. North America Etching Cleaning Gas Sales Quantity by Country (2026-2031) & (Tons)

Table 132. North America Etching Cleaning Gas Consumption Value by Country (2020-2025) & (USD Million)

Table 133. North America Etching Cleaning Gas Consumption Value by Country (2026-2031) & (USD Million)

Table 134. Europe Etching Cleaning Gas Sales Quantity by Type (2020-2025) & (Tons)

Table 135. Europe Etching Cleaning Gas Sales Quantity by Type (2026-2031) & (Tons)

Table 136. Europe Etching Cleaning Gas Sales Quantity by Application (2020-2025) & (Tons)

Table 137. Europe Etching Cleaning Gas Sales Quantity by Application (2026-2031) & (Tons)

Table 138. Europe Etching Cleaning Gas Sales Quantity by Country (2020-2025) & (Tons)

Table 139. Europe Etching Cleaning Gas Sales Quantity by Country (2026-2031) & (Tons)

Table 140. Europe Etching Cleaning Gas Consumption Value by Country (2020-2025) & (USD Million)

Table 141. Europe Etching Cleaning Gas Consumption Value by Country (2026-2031) & (USD Million)

Table 142. Asia-Pacific Etching Cleaning Gas Sales Quantity by Type (2020-2025) & (Tons)

Table 143. Asia-Pacific Etching Cleaning Gas Sales Quantity by Type (2026-2031) & (Tons)

Table 144. Asia-Pacific Etching Cleaning Gas Sales Quantity by Application (2020-2025) & (Tons)

Table 145. Asia-Pacific Etching Cleaning Gas Sales Quantity by Application (2026-2031) & (Tons)

Table 146. Asia-Pacific Etching Cleaning Gas Sales Quantity by Region (2020-2025) & (Tons)

Table 147. Asia-Pacific Etching Cleaning Gas Sales Quantity by Region (2026-2031) & (Tons)

Table 148. Asia-Pacific Etching Cleaning Gas Consumption Value by Region (2020-2025) & (USD Million)

Table 149. Asia-Pacific Etching Cleaning Gas Consumption Value by Region (2026-2031) & (USD Million)

Table 150. South America Etching Cleaning Gas Sales Quantity by Type (2020-2025) & (Tons)

Table 151. South America Etching Cleaning Gas Sales Quantity by Type (2026-2031) & (Tons)

Table 152. South America Etching Cleaning Gas Sales Quantity by Application (2020-2025) & (Tons)

Table 153. South America Etching Cleaning Gas Sales Quantity by Application (2026-2031) & (Tons)

Table 154. South America Etching Cleaning Gas Sales Quantity by Country (2020-2025) & (Tons)

Table 155. South America Etching Cleaning Gas Sales Quantity by Country (2026-2031) & (Tons)

Table 156. South America Etching Cleaning Gas Consumption Value by Country (2020-2025) & (USD Million)

Table 157. South America Etching Cleaning Gas Consumption Value by Country

(2026-2031) & (USD Million)

Table 158. Middle East & Africa Etching Cleaning Gas Sales Quantity by Type
(2020-2025) & (Tons)

Table 159. Middle East & Africa Etching Cleaning Gas Sales Quantity by Type
(2026-2031) & (Tons)

Table 160. Middle East & Africa Etching Cleaning Gas Sales Quantity by Application
(2020-2025) & (Tons)

Table 161. Middle East & Africa Etching Cleaning Gas Sales Quantity by Application
(2026-2031) & (Tons)

Table 162. Middle East & Africa Etching Cleaning Gas Sales Quantity by Country
(2020-2025) & (Tons)

Table 163. Middle East & Africa Etching Cleaning Gas Sales Quantity by Country
(2026-2031) & (Tons)

Table 164. Middle East & Africa Etching Cleaning Gas Consumption Value by Country
(2020-2025) & (USD Million)

Table 165. Middle East & Africa Etching Cleaning Gas Consumption Value by Country
(2026-2031) & (USD Million)

Table 166. Etching Cleaning Gas Raw Material

Table 167. Key Manufacturers of Etching Cleaning Gas Raw Materials

Table 168. Etching Cleaning Gas Typical Distributors

Table 169. Etching Cleaning Gas Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Etching Cleaning Gas Picture

Figure 2. Global Etching Cleaning Gas Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Etching Cleaning Gas Revenue Market Share by Type in 2024

Figure 4. Fluorine-based Gases Examples

Figure 5. Chlorine-based Gases Examples

Figure 6. Bromine-based Gases Examples

Figure 7. Others Examples

Figure 8. Global Etching Cleaning Gas Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 9. Global Etching Cleaning Gas Revenue Market Share by Application in 2024

Figure 10. Semiconductor Cleaning Examples

Figure 11. Semiconductor Etching Examples

Figure 12. Global Etching Cleaning Gas Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Etching Cleaning Gas Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Etching Cleaning Gas Sales Quantity (2020-2031) & (Tons)

Figure 15. Global Etching Cleaning Gas Price (2020-2031) & (US\$/Ton)

Figure 16. Global Etching Cleaning Gas Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Etching Cleaning Gas Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Etching Cleaning Gas by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Etching Cleaning Gas Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Etching Cleaning Gas Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Etching Cleaning Gas Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Etching Cleaning Gas Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Etching Cleaning Gas Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Etching Cleaning Gas Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Etching Cleaning Gas Average Price by Type (2020-2031) & (US\$/Ton)

Figure 31. Global Etching Cleaning Gas Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Etching Cleaning Gas Revenue Market Share by Application (2020-2031)

Figure 33. Global Etching Cleaning Gas Average Price by Application (2020-2031) & (US\$/Ton)

Figure 34. North America Etching Cleaning Gas Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Etching Cleaning Gas Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Etching Cleaning Gas Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Etching Cleaning Gas Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Etching Cleaning Gas Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Etching Cleaning Gas Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Etching Cleaning Gas Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Etching Cleaning Gas Consumption Value Market Share by Country

(2020-2031)

Figure 45. Germany Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 46. France Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Etching Cleaning Gas Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Etching Cleaning Gas Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Etching Cleaning Gas Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Etching Cleaning Gas Consumption Value Market Share by Region (2020-2031)

Figure 54. China Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 57. India Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Etching Cleaning Gas Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Etching Cleaning Gas Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Etching Cleaning Gas Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Etching Cleaning Gas Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Etching Cleaning Gas Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Etching Cleaning Gas Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Etching Cleaning Gas Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Etching Cleaning Gas Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Etching Cleaning Gas Consumption Value (2020-2031) & (USD Million)

Figure 74. Etching Cleaning Gas Market Drivers

Figure 75. Etching Cleaning Gas Market Restraints

Figure 76. Etching Cleaning Gas Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Etching Cleaning Gas in 2024

Figure 79. Manufacturing Process Analysis of Etching Cleaning Gas

Figure 80. Etching Cleaning Gas Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

I would like to order

Product name: Global Etching Cleaning Gas Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/G642B8959339EN.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/G642B8959339EN.html>