

# Global Rare Gases for Semiconductor Market Growth 2024-2030

<https://marketpublishers.com/r/G1B242C880BCEN.html>

Date: June 2024

Pages: 133

Price: US\$ 3,660.00 (Single User License)

ID: G1B242C880BCEN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Rare Gases for Semiconductor market size was valued at US\$ million in 2023. With growing demand in downstream market, the Rare Gases for Semiconductor is forecast to a readjusted size of US\$ million by 2030 with a CAGR of % during review period.

The research report highlights the growth potential of the global Rare Gases for Semiconductor market. Rare Gases for Semiconductor are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Rare Gases for Semiconductor. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Rare Gases for Semiconductor market.

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.

#### Key Features:

The report on Rare Gases for Semiconductor market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Rare Gases for Semiconductor market. It may include historical data, market segmentation by Type (e.g., Krypton, Neon), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Rare Gases for Semiconductor market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Rare Gases for Semiconductor market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Rare Gases for Semiconductor industry. This include advancements in Rare Gases for Semiconductor technology, Rare Gases for Semiconductor new entrants, Rare Gases for Semiconductor new investment, and other innovations that are shaping the future of Rare Gases for Semiconductor.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Rare Gases for Semiconductor market. It includes factors influencing customer ' purchasing decisions, preferences for Rare Gases for Semiconductor product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Rare Gases for Semiconductor market. This

may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Rare Gases for Semiconductor market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Rare Gases for Semiconductor market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Rare Gases for Semiconductor industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Rare Gases for Semiconductor market.

**Market Segmentation:**

Rare Gases for Semiconductor 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.

**Segmentation by type**

Krypton

Neon

Xenon

**Segmentation by application**

Wafer Production

LED

Epitaxy

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Air Liquide

Iceblick

Praxair

Linde Group

Chromium

Air Product

Messer Group

Cryogenmash

Air Water

Coregas

Wisco Oxygen

Shougang Oxygen

BOC-MA Steel Gases

Nanjing Special Gas

Shengying Gas

SHOWA DENKO

Huate Gas

Linggas

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Rare Gases for Semiconductor market?

What factors are driving Rare Gases for Semiconductor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Rare Gases for Semiconductor market opportunities vary by end market size?

How does Rare Gases for Semiconductor break out type, application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Rare Gases for Semiconductor Annual Sales 2019-2030
  - 2.1.2 World Current & Future Analysis for Rare Gases for Semiconductor by Geographic Region, 2019, 2023 & 2030
  - 2.1.3 World Current & Future Analysis for Rare Gases for Semiconductor by Country/Region, 2019, 2023 & 2030
- 2.2 Rare Gases for Semiconductor Segment by Type
  - 2.2.1 Krypton
  - 2.2.2 Neon
  - 2.2.3 Xenon
- 2.3 Rare Gases for Semiconductor Sales by Type
  - 2.3.1 Global Rare Gases for Semiconductor Sales Market Share by Type (2019-2024)
  - 2.3.2 Global Rare Gases for Semiconductor Revenue and Market Share by Type (2019-2024)
  - 2.3.3 Global Rare Gases for Semiconductor Sale Price by Type (2019-2024)
- 2.4 Rare Gases for Semiconductor Segment by Application
  - 2.4.1 Wafer Production
  - 2.4.2 LED
  - 2.4.3 Epitaxy
  - 2.4.4 Others
- 2.5 Rare Gases for Semiconductor Sales by Application
  - 2.5.1 Global Rare Gases for Semiconductor Sale Market Share by Application (2019-2024)
  - 2.5.2 Global Rare Gases for Semiconductor Revenue and Market Share by Application

(2019-2024)

2.5.3 Global Rare Gases for Semiconductor Sale Price by Application (2019-2024)

### **3 GLOBAL RARE GASES FOR SEMICONDUCTOR BY COMPANY**

3.1 Global Rare Gases for Semiconductor Breakdown Data by Company

3.1.1 Global Rare Gases for Semiconductor Annual Sales by Company (2019-2024)

3.1.2 Global Rare Gases for Semiconductor Sales Market Share by Company  
(2019-2024)

3.2 Global Rare Gases for Semiconductor Annual Revenue by Company (2019-2024)

3.2.1 Global Rare Gases for Semiconductor Revenue by Company (2019-2024)

3.2.2 Global Rare Gases for Semiconductor Revenue Market Share by Company  
(2019-2024)

3.3 Global Rare Gases for Semiconductor Sale Price by Company

3.4 Key Manufacturers Rare Gases for Semiconductor Producing Area Distribution,  
Sales Area, Product Type

3.4.1 Key Manufacturers Rare Gases for Semiconductor Product Location Distribution

3.4.2 Players Rare Gases for Semiconductor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR RARE GASES FOR SEMICONDUCTOR BY GEOGRAPHIC REGION**

4.1 World Historic Rare Gases for Semiconductor Market Size by Geographic Region  
(2019-2024)

4.1.1 Global Rare Gases for Semiconductor Annual Sales by Geographic Region  
(2019-2024)

4.1.2 Global Rare Gases for Semiconductor Annual Revenue by Geographic Region  
(2019-2024)

4.2 World Historic Rare Gases for Semiconductor Market Size by Country/Region  
(2019-2024)

4.2.1 Global Rare Gases for Semiconductor Annual Sales by Country/Region  
(2019-2024)

4.2.2 Global Rare Gases for Semiconductor Annual Revenue by Country/Region  
(2019-2024)



- 4.3 Americas Rare Gases for Semiconductor Sales Growth
- 4.4 APAC Rare Gases for Semiconductor Sales Growth
- 4.5 Europe Rare Gases for Semiconductor Sales Growth
- 4.6 Middle East & Africa Rare Gases for Semiconductor Sales Growth

## **5 AMERICAS**

- 5.1 Americas Rare Gases for Semiconductor Sales by Country
  - 5.1.1 Americas Rare Gases for Semiconductor Sales by Country (2019-2024)
  - 5.1.2 Americas Rare Gases for Semiconductor Revenue by Country (2019-2024)
- 5.2 Americas Rare Gases for Semiconductor Sales by Type
- 5.3 Americas Rare Gases for Semiconductor Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Rare Gases for Semiconductor Sales by Region
  - 6.1.1 APAC Rare Gases for Semiconductor Sales by Region (2019-2024)
  - 6.1.2 APAC Rare Gases for Semiconductor Revenue by Region (2019-2024)
- 6.2 APAC Rare Gases for Semiconductor Sales by Type
- 6.3 APAC Rare Gases for Semiconductor Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Rare Gases for Semiconductor by Country
  - 7.1.1 Europe Rare Gases for Semiconductor Sales by Country (2019-2024)
  - 7.1.2 Europe Rare Gases for Semiconductor Revenue by Country (2019-2024)
- 7.2 Europe Rare Gases for Semiconductor Sales by Type
- 7.3 Europe Rare Gases for Semiconductor Sales by Application

- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Rare Gases for Semiconductor by Country
  - 8.1.1 Middle East & Africa Rare Gases for Semiconductor Sales by Country (2019-2024)
  - 8.1.2 Middle East & Africa Rare Gases for Semiconductor Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Rare Gases for Semiconductor Sales by Type
- 8.3 Middle East & Africa Rare Gases for Semiconductor Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Rare Gases for Semiconductor
- 10.3 Manufacturing Process Analysis of Rare Gases for Semiconductor
- 10.4 Industry Chain Structure of Rare Gases for Semiconductor

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels

11.2 Rare Gases for Semiconductor Distributors

11.3 Rare Gases for Semiconductor Customer

## **12 WORLD FORECAST REVIEW FOR RARE GASES FOR SEMICONDUCTOR BY GEOGRAPHIC REGION**

12.1 Global Rare Gases for Semiconductor Market Size Forecast by Region

12.1.1 Global Rare Gases for Semiconductor Forecast by Region (2025-2030)

12.1.2 Global Rare Gases for Semiconductor Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Rare Gases for Semiconductor Forecast by Type

12.7 Global Rare Gases for Semiconductor Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

13.1 Air Liquide

13.1.1 Air Liquide Company Information

13.1.2 Air Liquide Rare Gases for Semiconductor Product Portfolios and Specifications

13.1.3 Air Liquide Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 Air Liquide Main Business Overview

13.1.5 Air Liquide Latest Developments

13.2 Iceblick

13.2.1 Iceblick Company Information

13.2.2 Iceblick Rare Gases for Semiconductor Product Portfolios and Specifications

13.2.3 Iceblick Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Iceblick Main Business Overview

13.2.5 Iceblick Latest Developments

13.3 Praxair

13.3.1 Praxair Company Information

13.3.2 Praxair Rare Gases for Semiconductor Product Portfolios and Specifications

13.3.3 Praxair Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Praxair Main Business Overview

- 13.3.5 Praxair Latest Developments
- 13.4 Linde Group
  - 13.4.1 Linde Group Company Information
  - 13.4.2 Linde Group Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.4.3 Linde Group Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.4.4 Linde Group Main Business Overview
  - 13.4.5 Linde Group Latest Developments
- 13.5 Chromium
  - 13.5.1 Chromium Company Information
  - 13.5.2 Chromium Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.5.3 Chromium Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.5.4 Chromium Main Business Overview
  - 13.5.5 Chromium Latest Developments
- 13.6 Air Product
  - 13.6.1 Air Product Company Information
  - 13.6.2 Air Product Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.6.3 Air Product Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.6.4 Air Product Main Business Overview
  - 13.6.5 Air Product Latest Developments
- 13.7 Messer Group
  - 13.7.1 Messer Group Company Information
  - 13.7.2 Messer Group Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.7.3 Messer Group Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.7.4 Messer Group Main Business Overview
  - 13.7.5 Messer Group Latest Developments
- 13.8 Cryogenmash
  - 13.8.1 Cryogenmash Company Information
  - 13.8.2 Cryogenmash Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.8.3 Cryogenmash Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.8.4 Cryogenmash Main Business Overview

- 13.8.5 Cryogenmash Latest Developments
- 13.9 Air Water
  - 13.9.1 Air Water Company Information
  - 13.9.2 Air Water Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.9.3 Air Water Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.9.4 Air Water Main Business Overview
  - 13.9.5 Air Water Latest Developments
- 13.10 Coregas
  - 13.10.1 Coregas Company Information
  - 13.10.2 Coregas Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.10.3 Coregas Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.10.4 Coregas Main Business Overview
  - 13.10.5 Coregas Latest Developments
- 13.11 Wisco Oxygen
  - 13.11.1 Wisco Oxygen Company Information
  - 13.11.2 Wisco Oxygen Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.11.3 Wisco Oxygen Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.11.4 Wisco Oxygen Main Business Overview
  - 13.11.5 Wisco Oxygen Latest Developments
- 13.12 Shougang Oxygen
  - 13.12.1 Shougang Oxygen Company Information
  - 13.12.2 Shougang Oxygen Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.12.3 Shougang Oxygen Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.12.4 Shougang Oxygen Main Business Overview
  - 13.12.5 Shougang Oxygen Latest Developments
- 13.13 BOC-MA Steel Gases
  - 13.13.1 BOC-MA Steel Gases Company Information
  - 13.13.2 BOC-MA Steel Gases Rare Gases for Semiconductor Product Portfolios and Specifications
  - 13.13.3 BOC-MA Steel Gases Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.13.4 BOC-MA Steel Gases Main Business Overview
  - 13.13.5 BOC-MA Steel Gases Latest Developments

### 13.14 Nanjing Special Gas

13.14.1 Nanjing Special Gas Company Information

13.14.2 Nanjing Special Gas Rare Gases for Semiconductor Product Portfolios and Specifications

13.14.3 Nanjing Special Gas Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.14.4 Nanjing Special Gas Main Business Overview

13.14.5 Nanjing Special Gas Latest Developments

### 13.15 Shengying Gas

13.15.1 Shengying Gas Company Information

13.15.2 Shengying Gas Rare Gases for Semiconductor Product Portfolios and Specifications

13.15.3 Shengying Gas Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.15.4 Shengying Gas Main Business Overview

13.15.5 Shengying Gas Latest Developments

### 13.16 SHOWA DENKO

13.16.1 SHOWA DENKO Company Information

13.16.2 SHOWA DENKO Rare Gases for Semiconductor Product Portfolios and Specifications

13.16.3 SHOWA DENKO Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.16.4 SHOWA DENKO Main Business Overview

13.16.5 SHOWA DENKO Latest Developments

### 13.17 Huate Gas

13.17.1 Huate Gas Company Information

13.17.2 Huate Gas Rare Gases for Semiconductor Product Portfolios and Specifications

13.17.3 Huate Gas Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.17.4 Huate Gas Main Business Overview

13.17.5 Huate Gas Latest Developments

### 13.18 Linggas

13.18.1 Linggas Company Information

13.18.2 Linggas Rare Gases for Semiconductor Product Portfolios and Specifications

13.18.3 Linggas Rare Gases for Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.18.4 Linggas Main Business Overview

13.18.5 Linggas Latest Developments

## 14 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

Table 1. Rare Gases for Semiconductor Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Rare Gases for Semiconductor Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Krypton

Table 4. Major Players of Neon

Table 5. Major Players of Xenon

Table 6. Global Rare Gases for Semiconductor Sales by Type (2019-2024) & (Tons)

Table 7. Global Rare Gases for Semiconductor Sales Market Share by Type (2019-2024)

Table 8. Global Rare Gases for Semiconductor Revenue by Type (2019-2024) & (\$ million)

Table 9. Global Rare Gases for Semiconductor Revenue Market Share by Type (2019-2024)

Table 10. Global Rare Gases for Semiconductor Sale Price by Type (2019-2024) & (US\$/Ton)

Table 11. Global Rare Gases for Semiconductor Sales by Application (2019-2024) & (Tons)

Table 12. Global Rare Gases for Semiconductor Sales Market Share by Application (2019-2024)

Table 13. Global Rare Gases for Semiconductor Revenue by Application (2019-2024)

Table 14. Global Rare Gases for Semiconductor Revenue Market Share by Application (2019-2024)

Table 15. Global Rare Gases for Semiconductor Sale Price by Application (2019-2024) & (US\$/Ton)

Table 16. Global Rare Gases for Semiconductor Sales by Company (2019-2024) & (Tons)

Table 17. Global Rare Gases for Semiconductor Sales Market Share by Company (2019-2024)

Table 18. Global Rare Gases for Semiconductor Revenue by Company (2019-2024) (\$ Millions)

Table 19. Global Rare Gases for Semiconductor Revenue Market Share by Company (2019-2024)

Table 20. Global Rare Gases for Semiconductor Sale Price by Company (2019-2024) & (US\$/Ton)



- Table 21. Key Manufacturers Rare Gases for Semiconductor Producing Area Distribution and Sales Area
- Table 22. Players Rare Gases for Semiconductor Products Offered
- Table 23. Rare Gases for Semiconductor Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- Table 24. New Products and Potential Entrants
- Table 25. Mergers & Acquisitions, Expansion
- Table 26. Global Rare Gases for Semiconductor Sales by Geographic Region (2019-2024) & (Tons)
- Table 27. Global Rare Gases for Semiconductor Sales Market Share Geographic Region (2019-2024)
- Table 28. Global Rare Gases for Semiconductor Revenue by Geographic Region (2019-2024) & (\$ millions)
- Table 29. Global Rare Gases for Semiconductor Revenue Market Share by Geographic Region (2019-2024)
- Table 30. Global Rare Gases for Semiconductor Sales by Country/Region (2019-2024) & (Tons)
- Table 31. Global Rare Gases for Semiconductor Sales Market Share by Country/Region (2019-2024)
- Table 32. Global Rare Gases for Semiconductor Revenue by Country/Region (2019-2024) & (\$ millions)
- Table 33. Global Rare Gases for Semiconductor Revenue Market Share by Country/Region (2019-2024)
- Table 34. Americas Rare Gases for Semiconductor Sales by Country (2019-2024) & (Tons)
- Table 35. Americas Rare Gases for Semiconductor Sales Market Share by Country (2019-2024)
- Table 36. Americas Rare Gases for Semiconductor Revenue by Country (2019-2024) & (\$ Millions)
- Table 37. Americas Rare Gases for Semiconductor Revenue Market Share by Country (2019-2024)
- Table 38. Americas Rare Gases for Semiconductor Sales by Type (2019-2024) & (Tons)
- Table 39. Americas Rare Gases for Semiconductor Sales by Application (2019-2024) & (Tons)
- Table 40. APAC Rare Gases for Semiconductor Sales by Region (2019-2024) & (Tons)
- Table 41. APAC Rare Gases for Semiconductor Sales Market Share by Region (2019-2024)
- Table 42. APAC Rare Gases for Semiconductor Revenue by Region (2019-2024) & (\$

Millions)

Table 43. APAC Rare Gases for Semiconductor Revenue Market Share by Region (2019-2024)

Table 44. APAC Rare Gases for Semiconductor Sales by Type (2019-2024) & (Tons)

Table 45. APAC Rare Gases for Semiconductor Sales by Application (2019-2024) & (Tons)

Table 46. Europe Rare Gases for Semiconductor Sales by Country (2019-2024) & (Tons)

Table 47. Europe Rare Gases for Semiconductor Sales Market Share by Country (2019-2024)

Table 48. Europe Rare Gases for Semiconductor Revenue by Country (2019-2024) & (\$ Millions)

Table 49. Europe Rare Gases for Semiconductor Revenue Market Share by Country (2019-2024)

Table 50. Europe Rare Gases for Semiconductor Sales by Type (2019-2024) & (Tons)

Table 51. Europe Rare Gases for Semiconductor Sales by Application (2019-2024) & (Tons)

Table 52. Middle East & Africa Rare Gases for Semiconductor Sales by Country (2019-2024) & (Tons)

Table 53. Middle East & Africa Rare Gases for Semiconductor Sales Market Share by Country (2019-2024)

Table 54. Middle East & Africa Rare Gases for Semiconductor Revenue by Country (2019-2024) & (\$ Millions)

Table 55. Middle East & Africa Rare Gases for Semiconductor Revenue Market Share by Country (2019-2024)

Table 56. Middle East & Africa Rare Gases for Semiconductor Sales by Type (2019-2024) & (Tons)

Table 57. Middle East & Africa Rare Gases for Semiconductor Sales by Application (2019-2024) & (Tons)

Table 58. Key Market Drivers & Growth Opportunities of Rare Gases for Semiconductor

Table 59. Key Market Challenges & Risks of Rare Gases for Semiconductor

Table 60. Key Industry Trends of Rare Gases for Semiconductor

Table 61. Rare Gases for Semiconductor Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. Rare Gases for Semiconductor Distributors List

Table 64. Rare Gases for Semiconductor Customer List

Table 65. Global Rare Gases for Semiconductor Sales Forecast by Region (2025-2030) & (Tons)

Table 66. Global Rare Gases for Semiconductor Revenue Forecast by Region

(2025-2030) & (\$ millions)

Table 67. Americas Rare Gases for Semiconductor Sales Forecast by Country

(2025-2030) & (Tons)

Table 68. Americas Rare Gases for Semiconductor Revenue Forecast by Country

(2025-2030) & (\$ millions)

Table 69. APAC Rare Gases for Semiconductor Sales Forecast by Region (2025-2030) & (Tons)

Table 70. APAC Rare Gases for Semiconductor Revenue Forecast by Region

(2025-2030) & (\$ millions)

Table 71. Europe Rare Gases for Semiconductor Sales Forecast by Country

(2025-2030) & (Tons)

Table 72. Europe Rare Gases for Semiconductor Revenue Forecast by Country

(2025-2030) & (\$ millions)

Table 73. Middle East & Africa Rare Gases for Semiconductor Sales Forecast by Country (2025-2030) & (Tons)

Table 74. Middle East & Africa Rare Gases for Semiconductor Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 75. Global Rare Gases for Semiconductor Sales Forecast by Type (2025-2030) & (Tons)

Table 76. Global Rare Gases for Semiconductor Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 77. Global Rare Gases for Semiconductor Sales Forecast by Application

(2025-2030) & (Tons)

Table 78. Global Rare Gases for Semiconductor Revenue Forecast by Application

(2025-2030) & (\$ Millions)

Table 79. Air Liquide Basic Information, Rare Gases for Semiconductor Manufacturing

Base, Sales Area and Its Competitors

Table 80. Air Liquide Rare Gases for Semiconductor Product Portfolios and Specifications

Table 81. Air Liquide Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million),

Price (US\$/Ton) and Gross Margin (2019-2024)

Table 82. Air Liquide Main Business

Table 83. Air Liquide Latest Developments

Table 84. Iceblick Basic Information, Rare Gases for Semiconductor Manufacturing

Base, Sales Area and Its Competitors

Table 85. Iceblick Rare Gases for Semiconductor Product Portfolios and Specifications

Table 86. Iceblick Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 87. Iceblick Main Business

Table 88. Iceblick Latest Developments

Table 89. Praxair Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 90. Praxair Rare Gases for Semiconductor Product Portfolios and Specifications

Table 91. Praxair Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 92. Praxair Main Business

Table 93. Praxair Latest Developments

Table 94. Linde Group Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 95. Linde Group Rare Gases for Semiconductor Product Portfolios and Specifications

Table 96. Linde Group Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 97. Linde Group Main Business

Table 98. Linde Group Latest Developments

Table 99. Chromium Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 100. Chromium Rare Gases for Semiconductor Product Portfolios and Specifications

Table 101. Chromium Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 102. Chromium Main Business

Table 103. Chromium Latest Developments

Table 104. Air Product Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 105. Air Product Rare Gases for Semiconductor Product Portfolios and Specifications

Table 106. Air Product Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 107. Air Product Main Business

Table 108. Air Product Latest Developments

Table 109. Messer Group Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 110. Messer Group Rare Gases for Semiconductor Product Portfolios and Specifications

Table 111. Messer Group Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 112. Messer Group Main Business

Table 113. Messer Group Latest Developments

Table 114. Cryogenmash Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 115. Cryogenmash Rare Gases for Semiconductor Product Portfolios and Specifications

Table 116. Cryogenmash Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 117. Cryogenmash Main Business

Table 118. Cryogenmash Latest Developments

Table 119. Air Water Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 120. Air Water Rare Gases for Semiconductor Product Portfolios and Specifications

Table 121. Air Water Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 122. Air Water Main Business

Table 123. Air Water Latest Developments

Table 124. Coregas Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 125. Coregas Rare Gases for Semiconductor Product Portfolios and Specifications

Table 126. Coregas Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 127. Coregas Main Business

Table 128. Coregas Latest Developments

Table 129. Wisco Oxygen Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 130. Wisco Oxygen Rare Gases for Semiconductor Product Portfolios and Specifications

Table 131. Wisco Oxygen Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 132. Wisco Oxygen Main Business

Table 133. Wisco Oxygen Latest Developments

Table 134. Shougang Oxygen Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 135. Shougang Oxygen Rare Gases for Semiconductor Product Portfolios and Specifications

Table 136. Shougang Oxygen Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

- Table 137. Shougang Oxygen Main Business
- Table 138. Shougang Oxygen Latest Developments
- Table 139. BOC-MA Steel Gases Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors
- Table 140. BOC-MA Steel Gases Rare Gases for Semiconductor Product Portfolios and Specifications
- Table 141. BOC-MA Steel Gases Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)
- Table 142. BOC-MA Steel Gases Main Business
- Table 143. BOC-MA Steel Gases Latest Developments
- Table 144. Nanjing Special Gas Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors
- Table 145. Nanjing Special Gas Rare Gases for Semiconductor Product Portfolios and Specifications
- Table 146. Nanjing Special Gas Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)
- Table 147. Nanjing Special Gas Main Business
- Table 148. Nanjing Special Gas Latest Developments
- Table 149. Shengying Gas Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors
- Table 150. Shengying Gas Rare Gases for Semiconductor Product Portfolios and Specifications
- Table 151. Shengying Gas Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)
- Table 152. Shengying Gas Main Business
- Table 153. Shengying Gas Latest Developments
- Table 154. SHOWA DENKO Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors
- Table 155. SHOWA DENKO Rare Gases for Semiconductor Product Portfolios and Specifications
- Table 156. SHOWA DENKO Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)
- Table 157. SHOWA DENKO Main Business
- Table 158. SHOWA DENKO Latest Developments
- Table 159. Huate Gas Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors
- Table 160. Huate Gas Rare Gases for Semiconductor Product Portfolios and Specifications
- Table 161. Huate Gas Rare Gases for Semiconductor Sales (Tons), Revenue (\$

Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 162. Huate Gas Main Business

Table 163. Huate Gas Latest Developments

Table 164. Linggas Basic Information, Rare Gases for Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 165. Linggas Rare Gases for Semiconductor Product Portfolios and Specifications

Table 166. Linggas Rare Gases for Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 167. Linggas Main Business

Table 168. Linggas Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Rare Gases for Semiconductor
- Figure 2. Rare Gases for Semiconductor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Rare Gases for Semiconductor Sales Growth Rate 2019-2030 (Tons)
- Figure 7. Global Rare Gases for Semiconductor Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Rare Gases for Semiconductor Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Krypton
- Figure 10. Product Picture of Neon
- Figure 11. Product Picture of Xenon
- Figure 12. Global Rare Gases for Semiconductor Sales Market Share by Type in 2023
- Figure 13. Global Rare Gases for Semiconductor Revenue Market Share by Type (2019-2024)
- Figure 14. Rare Gases for Semiconductor Consumed in Wafer Production
- Figure 15. Global Rare Gases for Semiconductor Market: Wafer Production (2019-2024) & (Tons)
- Figure 16. Rare Gases for Semiconductor Consumed in LED
- Figure 17. Global Rare Gases for Semiconductor Market: LED (2019-2024) & (Tons)
- Figure 18. Rare Gases for Semiconductor Consumed in Epitaxy
- Figure 19. Global Rare Gases for Semiconductor Market: Epitaxy (2019-2024) & (Tons)
- Figure 20. Rare Gases for Semiconductor Consumed in Others
- Figure 21. Global Rare Gases for Semiconductor Market: Others (2019-2024) & (Tons)
- Figure 22. Global Rare Gases for Semiconductor Sales Market Share by Application (2023)
- Figure 23. Global Rare Gases for Semiconductor Revenue Market Share by Application in 2023
- Figure 24. Rare Gases for Semiconductor Sales Market by Company in 2023 (Tons)
- Figure 25. Global Rare Gases for Semiconductor Sales Market Share by Company in 2023
- Figure 26. Rare Gases for Semiconductor Revenue Market by Company in 2023 (\$ Million)
- Figure 27. Global Rare Gases for Semiconductor Revenue Market Share by Company



in 2023

Figure 28. Global Rare Gases for Semiconductor Sales Market Share by Geographic Region (2019-2024)

Figure 29. Global Rare Gases for Semiconductor Revenue Market Share by Geographic Region in 2023

Figure 30. Americas Rare Gases for Semiconductor Sales 2019-2024 (Tons)

Figure 31. Americas Rare Gases for Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 32. APAC Rare Gases for Semiconductor Sales 2019-2024 (Tons)

Figure 33. APAC Rare Gases for Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 34. Europe Rare Gases for Semiconductor Sales 2019-2024 (Tons)

Figure 35. Europe Rare Gases for Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 36. Middle East & Africa Rare Gases for Semiconductor Sales 2019-2024 (Tons)

Figure 37. Middle East & Africa Rare Gases for Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 38. Americas Rare Gases for Semiconductor Sales Market Share by Country in 2023

Figure 39. Americas Rare Gases for Semiconductor Revenue Market Share by Country in 2023

Figure 40. Americas Rare Gases for Semiconductor Sales Market Share by Type (2019-2024)

Figure 41. Americas Rare Gases for Semiconductor Sales Market Share by Application (2019-2024)

Figure 42. United States Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 43. Canada Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 44. Mexico Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Brazil Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 46. APAC Rare Gases for Semiconductor Sales Market Share by Region in 2023

Figure 47. APAC Rare Gases for Semiconductor Revenue Market Share by Regions in 2023

Figure 48. APAC Rare Gases for Semiconductor Sales Market Share by Type (2019-2024)

Figure 49. APAC Rare Gases for Semiconductor Sales Market Share by Application (2019-2024)

Figure 50. China Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 51. Japan Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 52. South Korea Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 53. Southeast Asia Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 54. India Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 55. Australia Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 56. China Taiwan Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 57. Europe Rare Gases for Semiconductor Sales Market Share by Country in 2023

Figure 58. Europe Rare Gases for Semiconductor Revenue Market Share by Country in 2023

Figure 59. Europe Rare Gases for Semiconductor Sales Market Share by Type (2019-2024)

Figure 60. Europe Rare Gases for Semiconductor Sales Market Share by Application (2019-2024)

Figure 61. Germany Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 62. France Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 63. UK Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 64. Italy Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 65. Russia Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 66. Middle East & Africa Rare Gases for Semiconductor Sales Market Share by Country in 2023

Figure 67. Middle East & Africa Rare Gases for Semiconductor Revenue Market Share by Country in 2023

Figure 68. Middle East & Africa Rare Gases for Semiconductor Sales Market Share by Type (2019-2024)

Figure 69. Middle East & Africa Rare Gases for Semiconductor Sales Market Share by Application (2019-2024)

Figure 70. Egypt Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 71. South Africa Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Israel Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Turkey Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 74. GCC Country Rare Gases for Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 75. Manufacturing Cost Structure Analysis of Rare Gases for Semiconductor in 2023

Figure 76. Manufacturing Process Analysis of Rare Gases for Semiconductor

Figure 77. Industry Chain Structure of Rare Gases for Semiconductor

Figure 78. Channels of Distribution

Figure 79. Global Rare Gases for Semiconductor Sales Market Forecast by Region (2025-2030)

Figure 80. Global Rare Gases for Semiconductor Revenue Market Share Forecast by Region (2025-2030)

Figure 81. Global Rare Gases for Semiconductor Sales Market Share Forecast by Type (2025-2030)

Figure 82. Global Rare Gases for Semiconductor Revenue Market Share Forecast by Type (2025-2030)

Figure 83. Global Rare Gases for Semiconductor Sales Market Share Forecast by Application (2025-2030)

Figure 84. Global Rare Gases for Semiconductor Revenue Market Share Forecast by Application (2025-2030)

## I would like to order

Product name: Global Rare Gases for Semiconductor Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/G1B242C880BCEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G1B242C880BCEN.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