

Global Specialty Gases for Electronics Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/GC5164F8E760EN.html>

Date: February 2026

Pages: 153

Price: US\$ 2,980.00 (Single User License)

ID: GC5164F8E760EN

Abstracts

Specialty Gases for Electronics range from the pyrophoric and/or toxic specialty gases required for thin film deposition and doping processes (ammonia, methane, silane, germane, dichlorosilane, silicon tetrachloride, phosphine, diborane, arsine and others) through the reactive and corrosive gases needed in different etch processes (chlorine, fluorine, halocarbons, nitrogen trifluoride, etc.). The atmospheric gases (oxygen, hydrogen, nitrogen, argon and helium) are not covered in this report. The market for Electronic Specialty Gases is an essential segment within the broader electronic manufacturing industry, with applications in semiconductor production, flat panel display (FPD) fabrication, and solar cell manufacturing. These gases play a crucial role in the production of high-tech electronic devices, ensuring the precision and quality of various processes such as thin film deposition, etching, doping, and cleaning. The global market for electronic specialty gases is characterized by a range of highly specialized, often hazardous gases that are integral to these advanced manufacturing processes. Key Product Types: Among the various types of gases used in the electronics sector, Nitrogen Trifluoride (NF₃) is the dominant product, accounting for the largest market share. NF₃ is widely used for cleaning and etching processes, particularly in semiconductor manufacturing, due to its high reactivity and ability to remove residual contaminants from production equipment. The increasing demand for semiconductors in various industries, including consumer electronics, automotive, and telecommunications, has significantly boosted the demand for NF₃. Other key gases in this market include Silicon-Precursor Gases, such as silane and germane, which are essential for silicon deposition processes in semiconductor manufacturing. Fluoroalkane gases are widely used in cleaning and etching processes, playing an important role in creating fine features in semiconductor devices. Ammonia (NH₃) is another important gas in the industry, particularly for doping processes, where it enhances the electrical properties of semiconductors. The Others category includes a range of other gases

used for niche applications, such as arsine and diborane for etching and doping.

Key Applications: The primary application driving the demand for electronic specialty gases is semiconductor manufacturing, which accounts for the largest market share. Semiconductors are essential components in modern electronic devices, including smartphones, computers, televisions, and a variety of other consumer electronics. With the rapid advancement of technology, especially in areas like 5G, artificial intelligence, and the Internet of Things (IoT), the demand for high-performance semiconductors is only expected to grow, fueling the demand for specialty gases. Another significant application for electronic specialty gases is in the production of flat panel displays (FPD). As demand for high-definition displays in smartphones, televisions, and monitors increases, the need for advanced etching and deposition processes also rises, driving the demand for gases like fluorine and chlorine. Solar cells represent another growing application for electronic specialty gases, particularly as the push for renewable energy solutions increases globally. Gases like silane and phosphine are used in the production of thin-film solar cells and other photovoltaic materials. The expansion of solar energy installations worldwide further boosts the demand for these gases.

Regional Outlook: The Asia-Pacific (APAC) region is the largest consumer market for electronic specialty gases. Countries such as China, South Korea, Japan, and Taiwan are key players in the electronics manufacturing sector, particularly in semiconductor and flat panel display production. The rapid growth of the electronics industry in these countries, fueled by advancements in technology and rising demand for consumer electronics, has significantly contributed to the region's dominance in the specialty gases market. China, in particular, has emerged as a global leader in semiconductor manufacturing, driving the demand for electronic specialty gases. The government's focus on technological self-reliance and expansion in semiconductor production capabilities further strengthens the market for these gases in the region. Similarly, South Korea and Taiwan continue to be major centers for semiconductor manufacturing, ensuring ongoing demand for the necessary gases in the production process.

Market Drivers and Challenges: The key drivers for the electronic specialty gases market include the ongoing technological advancements in electronics manufacturing, the rise in demand for high-performance semiconductors, and the growing adoption of renewable energy technologies such as solar cells. As technology continues to advance and consumer demand for electronic products grows, the need for highly specialized gases will increase, ensuring sustained growth in the market. However, challenges such as regulatory pressures, the high cost of production, and the handling of hazardous gases pose risks to market growth. Manufacturers must comply with increasingly stringent safety and environmental regulations related to the production, transport, and storage of specialty gases. Additionally, the volatility of raw material prices can impact the production costs of these gases.

Conclusion: The market

for electronic specialty gases is an essential component of the electronics manufacturing sector, driven by advancements in semiconductor technology, flat panel displays, and solar cell production. Nitrogen Trifluoride (NF₃) remains the dominant product, with significant contributions from Silicon-Precursor Gases, Fluoroalkane Gases, and Ammonia. The Asia-Pacific region continues to be the largest consumer market, with key countries such as China, South Korea, and Taiwan driving the demand for these gases. As technological advancements continue to shape the electronics industry, the demand for electronic specialty gases will continue to rise, ensuring their critical role in future manufacturing processes.

The global Specialty Gases for Electronics market size was estimated at USD 6130.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 6.40% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Specialty Gases for Electronics market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Specialty Gases for Electronics market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Specialty Gases for Electronics market.

Global Specialty Gases for Electronics Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country),

key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

SK Materials (SK specialty)
Merck (Versum Materials)
Taiyo Nippon Sanso
Linde plc
Kanto Denka Kogyo
Hyosung
PERIC
Showa Denko
Mitsui Chemical
ChemChina
Shandong FeiYuan
Guangdong Huate Gas
Central Glass

Market Segmentation (by Type)

Nitrogen Trifluoride
Tungsten Hexafluoride
Hydrogen Chloride
Ammonia
Others

Market Segmentation (by Application)

Semiconductor Chips
Flat Panel Display

Solar Cells, etc.

Geographic Segmentation

North America (USA, Canada, Mexico)

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

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

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

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

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Specialty Gases for Electronics Market

Overview of the regional outlook of the Specialty Gases for Electronics Market:

Customization of the Report

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

Chapter Outline

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

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Specialty Gases for Electronics Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the

market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

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

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

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

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

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

Chapter 9 shares the main producing countries of Specialty Gases for Electronics, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
Provision of market value data for each segment and sub-segment
Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market
Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region
Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled
Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players
The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions
Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis
Provides insight into the market through Value Chain
Market dynamics scenario, along with growth opportunities of the market in the years to come
6-month post-sales analyst support

Customization of the Report

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

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Specialty Gases for Electronics
- 1.2 Key Market Segments
 - 1.2.1 Specialty Gases for Electronics Segment by Type
 - 1.2.2 Specialty Gases for Electronics Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 SPECIALTY GASES FOR ELECTRONICS MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Specialty Gases for Electronics Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Specialty Gases for Electronics Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 SPECIALTY GASES FOR ELECTRONICS MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Specialty Gases for Electronics Product Life Cycle
- 3.3 Global Specialty Gases for Electronics Sales by Manufacturers (2020-2025)
- 3.4 Global Specialty Gases for Electronics Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Specialty Gases for Electronics Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Specialty Gases for Electronics Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Specialty Gases for Electronics Market Competitive Situation and Trends
 - 3.8.1 Specialty Gases for Electronics Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Specialty Gases for Electronics Players Market Share

by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 SPECIALTY GASES FOR ELECTRONICS INDUSTRY CHAIN ANALYSIS

4.1 Specialty Gases for Electronics Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF SPECIALTY GASES FOR ELECTRONICS MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Specialty Gases for Electronics Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Specialty Gases for Electronics Market

5.7 ESG Ratings of Leading Companies

6 SPECIALTY GASES FOR ELECTRONICS MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Specialty Gases for Electronics Sales Market Share by Type (2020-2025)

6.3 Global Specialty Gases for Electronics Market Size by Type (2020-2025)

6.4 Global Specialty Gases for Electronics Price by Type (2020-2025)

7 SPECIALTY GASES FOR ELECTRONICS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Specialty Gases for Electronics Market Sales by Application (2020-2025)
- 7.3 Global Specialty Gases for Electronics Market Size (M USD) by Application (2020-2025)
- 7.4 Global Specialty Gases for Electronics Sales Growth Rate by Application (2020-2025)

8 SPECIALTY GASES FOR ELECTRONICS MARKET SALES BY REGION

- 8.1 Global Specialty Gases for Electronics Sales by Region
 - 8.1.1 Global Specialty Gases for Electronics Sales by Region
 - 8.1.2 Global Specialty Gases for Electronics Sales Market Share by Region
- 8.2 Global Specialty Gases for Electronics Market Size by Region
 - 8.2.1 Global Specialty Gases for Electronics Market Size by Region
 - 8.2.2 Global Specialty Gases for Electronics Market Size by Region
- 8.3 North America
 - 8.3.1 North America Specialty Gases for Electronics Sales by Country
 - 8.3.2 North America Specialty Gases for Electronics Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Specialty Gases for Electronics Sales by Country
 - 8.4.2 Europe Specialty Gases for Electronics Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Specialty Gases for Electronics Sales by Region
 - 8.5.2 Asia Pacific Specialty Gases for Electronics Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Specialty Gases for Electronics Sales by Country

8.6.2 South America Specialty Gases for Electronics Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Specialty Gases for Electronics Sales by Region

8.7.2 Middle East and Africa Specialty Gases for Electronics Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 SPECIALTY GASES FOR ELECTRONICS MARKET PRODUCTION BY REGION

9.1 Global Production of Specialty Gases for Electronics by Region(2020-2025)

9.2 Global Specialty Gases for Electronics Revenue Market Share by Region
(2020-2025)

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

9.4 North America Specialty Gases for Electronics Production

9.4.1 North America Specialty Gases for Electronics Production Growth Rate
(2020-2025)

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

9.5 Europe Specialty Gases for Electronics Production

9.5.1 Europe Specialty Gases for Electronics Production Growth Rate (2020-2025)

9.5.2 Europe Specialty Gases for Electronics Production, Revenue, Price and Gross
Margin (2020-2025)

9.6 Japan Specialty Gases for Electronics Production (2020-2025)

9.6.1 Japan Specialty Gases for Electronics Production Growth Rate (2020-2025)

9.6.2 Japan Specialty Gases for Electronics Production, Revenue, Price and Gross
Margin (2020-2025)

9.7 China Specialty Gases for Electronics Production (2020-2025)

9.7.1 China Specialty Gases for Electronics Production Growth Rate (2020-2025)

9.7.2 China Specialty Gases for Electronics Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 SK Materials (SK specialty)

10.1.1 SK Materials (SK specialty) Basic Information

10.1.2 SK Materials (SK specialty) Specialty Gases for Electronics Product Overview

10.1.3 SK Materials (SK specialty) Specialty Gases for Electronics Product Market Performance

10.1.4 SK Materials (SK specialty) Business Overview

10.1.5 SK Materials (SK specialty) SWOT Analysis

10.1.6 SK Materials (SK specialty) Recent Developments

10.2 Merck (Versum Materials)

10.2.1 Merck (Versum Materials) Basic Information

10.2.2 Merck (Versum Materials) Specialty Gases for Electronics Product Overview

10.2.3 Merck (Versum Materials) Specialty Gases for Electronics Product Market Performance

10.2.4 Merck (Versum Materials) Business Overview

10.2.5 Merck (Versum Materials) SWOT Analysis

10.2.6 Merck (Versum Materials) Recent Developments

10.3 Taiyo Nippon Sanso

10.3.1 Taiyo Nippon Sanso Basic Information

10.3.2 Taiyo Nippon Sanso Specialty Gases for Electronics Product Overview

10.3.3 Taiyo Nippon Sanso Specialty Gases for Electronics Product Market Performance

10.3.4 Taiyo Nippon Sanso Business Overview

10.3.5 Taiyo Nippon Sanso SWOT Analysis

10.3.6 Taiyo Nippon Sanso Recent Developments

10.4 Linde plc

10.4.1 Linde plc Basic Information

10.4.2 Linde plc Specialty Gases for Electronics Product Overview

10.4.3 Linde plc Specialty Gases for Electronics Product Market Performance

10.4.4 Linde plc Business Overview

10.4.5 Linde plc Recent Developments

10.5 Kanto Denka Kogyo

10.5.1 Kanto Denka Kogyo Basic Information

10.5.2 Kanto Denka Kogyo Specialty Gases for Electronics Product Overview

10.5.3 Kanto Denka Kogyo Specialty Gases for Electronics Product Market

Performance

- 10.5.4 Kanto Denka Kogyo Business Overview
- 10.5.5 Kanto Denka Kogyo Recent Developments

10.6 Hyosung

- 10.6.1 Hyosung Basic Information
- 10.6.2 Hyosung Specialty Gases for Electronics Product Overview
- 10.6.3 Hyosung Specialty Gases for Electronics Product Market Performance
- 10.6.4 Hyosung Business Overview
- 10.6.5 Hyosung Recent Developments

10.7 PERIC

- 10.7.1 PERIC Basic Information
- 10.7.2 PERIC Specialty Gases for Electronics Product Overview
- 10.7.3 PERIC Specialty Gases for Electronics Product Market Performance
- 10.7.4 PERIC Business Overview
- 10.7.5 PERIC Recent Developments

10.8 Showa Denko

- 10.8.1 Showa Denko Basic Information
- 10.8.2 Showa Denko Specialty Gases for Electronics Product Overview
- 10.8.3 Showa Denko Specialty Gases for Electronics Product Market Performance
- 10.8.4 Showa Denko Business Overview
- 10.8.5 Showa Denko Recent Developments

10.9 Mitsui Chemical

- 10.9.1 Mitsui Chemical Basic Information
- 10.9.2 Mitsui Chemical Specialty Gases for Electronics Product Overview
- 10.9.3 Mitsui Chemical Specialty Gases for Electronics Product Market Performance
- 10.9.4 Mitsui Chemical Business Overview
- 10.9.5 Mitsui Chemical Recent Developments

10.10 ChemChina

- 10.10.1 ChemChina Basic Information
- 10.10.2 ChemChina Specialty Gases for Electronics Product Overview
- 10.10.3 ChemChina Specialty Gases for Electronics Product Market Performance
- 10.10.4 ChemChina Business Overview
- 10.10.5 ChemChina Recent Developments

10.11 Shandong FeiYuan

- 10.11.1 Shandong FeiYuan Basic Information
- 10.11.2 Shandong FeiYuan Specialty Gases for Electronics Product Overview
- 10.11.3 Shandong FeiYuan Specialty Gases for Electronics Product Market

Performance

- 10.11.4 Shandong FeiYuan Business Overview

- 10.11.5 Shandong FeiYuan Recent Developments
- 10.12 Guangdong Huate Gas
 - 10.12.1 Guangdong Huate Gas Basic Information
 - 10.12.2 Guangdong Huate Gas Specialty Gases for Electronics Product Overview
 - 10.12.3 Guangdong Huate Gas Specialty Gases for Electronics Product Market Performance
 - 10.12.4 Guangdong Huate Gas Business Overview
 - 10.12.5 Guangdong Huate Gas Recent Developments
- 10.13 Central Glass
 - 10.13.1 Central Glass Basic Information
 - 10.13.2 Central Glass Specialty Gases for Electronics Product Overview
 - 10.13.3 Central Glass Specialty Gases for Electronics Product Market Performance
 - 10.13.4 Central Glass Business Overview
 - 10.13.5 Central Glass Recent Developments

11 SPECIALTY GASES FOR ELECTRONICS MARKET FORECAST BY REGION

- 11.1 Global Specialty Gases for Electronics Market Size Forecast
- 11.2 Global Specialty Gases for Electronics Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Specialty Gases for Electronics Market Size Forecast by Country
 - 11.2.3 Asia Pacific Specialty Gases for Electronics Market Size Forecast by Region
 - 11.2.4 South America Specialty Gases for Electronics Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Specialty Gases for Electronics by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global Specialty Gases for Electronics Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of Specialty Gases for Electronics by Type (2026-2035)
 - 12.1.2 Global Specialty Gases for Electronics Market Size Forecast by Type (2026-2035)
 - 12.1.3 Global Forecasted Price of Specialty Gases for Electronics by Type (2026-2035)
- 12.2 Global Specialty Gases for Electronics Market Forecast by Application (2026-2035)
 - 12.2.1 Global Specialty Gases for Electronics Sales (K MT) Forecast by Application
 - 12.2.2 Global Specialty Gases for Electronics Market Size (M USD) Forecast by

Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Specialty Gases for Electronics Market Size by Type (M USD)

Table 4. Global Specialty Gases for Electronics Market Size by Application

Table 5. Specialty Gases for Electronics Market Size Comparison by Region (M USD)

Table 6. Global Specialty Gases for Electronics Sales (K MT) by Manufacturers
(2020-2025)

Table 7. Global Specialty Gases for Electronics Sales Market Share by Manufacturers
(2020-2025)

Table 8. Global Specialty Gases for Electronics Revenue (M USD) by Manufacturers
(2020-2025)

Table 9. Global Specialty Gases for Electronics Revenue Share by Manufacturers
(2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in
Specialty Gases for Electronics as of 2025)

Table 11. Global Market Specialty Gases for Electronics Average Price (USD/KG) of
Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Specialty Gases for Electronics Manufacturers Market Concentration
Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Specialty Gases for Electronics Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading
Countries

Table 26. Global Specialty Gases for Electronics Sales by Type (K MT)

Table 27. Global Specialty Gases for Electronics Market Size by Type (M USD)

Table 28. Global Specialty Gases for Electronics Sales (K MT) by Type (2020-2025)

Table 29. Global Specialty Gases for Electronics Sales Market Share by Type (2020-2025)

Table 30. Global Specialty Gases for Electronics Market Size (M USD) by Type (2020-2025)

Table 31. Global Specialty Gases for Electronics Market Share by Type (2020-2025)

Table 32. Global Specialty Gases for Electronics Price (USD/KG) by Type (2020-2025)

Table 33. Global Specialty Gases for Electronics Sales (K MT) by Application

Table 34. Global Specialty Gases for Electronics Market Size by Application

Table 35. Global Specialty Gases for Electronics Sales by Application (2020-2025) & (K MT)

Table 36. Global Specialty Gases for Electronics Sales Market Share by Application (2020-2025)

Table 37. Global Specialty Gases for Electronics Market Size by Application (2020-2025) & (M USD)

Table 38. Global Specialty Gases for Electronics Market Share by Application (2020-2025)

Table 39. Global Specialty Gases for Electronics Sales Growth Rate by Application (2020-2025)

Table 40. Global Specialty Gases for Electronics Sales by Region (2020-2025) & (K MT)

Table 41. Global Specialty Gases for Electronics Sales Market Share by Region (2020-2025)

Table 42. Global Specialty Gases for Electronics Market Size by Region (2020-2025) & (M USD)

Table 43. Global Specialty Gases for Electronics Market Size by Region (2020-2025)

Table 44. North America Specialty Gases for Electronics Sales by Country (2020-2025) & (K MT)

Table 45. North America Specialty Gases for Electronics Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Specialty Gases for Electronics Sales by Country (2020-2025) & (K MT)

Table 47. Europe Specialty Gases for Electronics Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Specialty Gases for Electronics Sales by Region (2020-2025) & (K MT)

Table 49. Asia Pacific Specialty Gases for Electronics Market Size by Region (2020-2025) & (M USD)

Table 50. South America Specialty Gases for Electronics Sales by Country (2020-2025)

& (K MT)

Table 51. South America Specialty Gases for Electronics Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Specialty Gases for Electronics Sales by Region (2020-2025) & (K MT)

Table 53. Middle East and Africa Specialty Gases for Electronics Market Size by Region (2020-2025) & (M USD)

Table 54. Global Specialty Gases for Electronics Production (K MT) by Region(2020-2025)

Table 55. Global Specialty Gases for Electronics Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Specialty Gases for Electronics Revenue Market Share by Region (2020-2025)

Table 57. Global Specialty Gases for Electronics Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America Specialty Gases for Electronics Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe Specialty Gases for Electronics Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan Specialty Gases for Electronics Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China Specialty Gases for Electronics Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. SK Materials (SK specialty) Basic Information

Table 63. SK Materials (SK specialty) Specialty Gases for Electronics Product Overview

Table 64. SK Materials (SK specialty) Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. SK Materials (SK specialty) Business Overview

Table 66. SK Materials (SK specialty) SWOT Analysis

Table 67. SK Materials (SK specialty) Recent Developments

Table 68. Merck (Versum Materials) Basic Information

Table 69. Merck (Versum Materials) Specialty Gases for Electronics Product Overview

Table 70. Merck (Versum Materials) Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. Merck (Versum Materials) Business Overview

Table 72. Merck (Versum Materials) SWOT Analysis

Table 73. Merck (Versum Materials) Recent Developments

Table 74. Taiyo Nippon Sanso Basic Information

Table 75. Taiyo Nippon Sanso Specialty Gases for Electronics Product Overview

Table 76. Taiyo Nippon Sanso Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 77. Taiyo Nippon Sanso Business Overview

Table 78. Taiyo Nippon Sanso SWOT Analysis

Table 79. Taiyo Nippon Sanso Recent Developments

Table 80. Linde plc Basic Information

Table 81. Linde plc Specialty Gases for Electronics Product Overview

Table 82. Linde plc Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 83. Linde plc Business Overview

Table 84. Linde plc Recent Developments

Table 85. Kanto Denka Kogyo Basic Information

Table 86. Kanto Denka Kogyo Specialty Gases for Electronics Product Overview

Table 87. Kanto Denka Kogyo Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 88. Kanto Denka Kogyo Business Overview

Table 89. Kanto Denka Kogyo Recent Developments

Table 90. Hyosung Basic Information

Table 91. Hyosung Specialty Gases for Electronics Product Overview

Table 92. Hyosung Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 93. Hyosung Business Overview

Table 94. Hyosung Recent Developments

Table 95. PERIC Basic Information

Table 96. PERIC Specialty Gases for Electronics Product Overview

Table 97. PERIC Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 98. PERIC Business Overview

Table 99. PERIC Recent Developments

Table 100. Showa Denko Basic Information

Table 101. Showa Denko Specialty Gases for Electronics Product Overview

Table 102. Showa Denko Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 103. Showa Denko Business Overview

Table 104. Showa Denko Recent Developments

Table 105. Mitsui Chemical Basic Information

Table 106. Mitsui Chemical Specialty Gases for Electronics Product Overview

Table 107. Mitsui Chemical Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 108. Mitsui Chemical Business Overview
Table 109. Mitsui Chemical Recent Developments
Table 110. ChemChina Basic Information
Table 111. ChemChina Specialty Gases for Electronics Product Overview
Table 112. ChemChina Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 113. ChemChina Business Overview
Table 114. ChemChina Recent Developments
Table 115. Shandong FeiYuan Basic Information
Table 116. Shandong FeiYuan Specialty Gases for Electronics Product Overview
Table 117. Shandong FeiYuan Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 118. Shandong FeiYuan Business Overview
Table 119. Shandong FeiYuan Recent Developments
Table 120. Guangdong Huate Gas Basic Information
Table 121. Guangdong Huate Gas Specialty Gases for Electronics Product Overview
Table 122. Guangdong Huate Gas Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 123. Guangdong Huate Gas Business Overview
Table 124. Guangdong Huate Gas Recent Developments
Table 125. Central Glass Basic Information
Table 126. Central Glass Specialty Gases for Electronics Product Overview
Table 127. Central Glass Specialty Gases for Electronics Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 128. Central Glass Business Overview
Table 129. Central Glass Recent Developments
Table 130. Global Specialty Gases for Electronics Sales Forecast by Region (2026-2035) & (K MT)
Table 131. Global Specialty Gases for Electronics Market Size Forecast by Region (2026-2035) & (M USD)
Table 132. North America Specialty Gases for Electronics Sales Forecast by Country (2026-2035) & (K MT)
Table 133. North America Specialty Gases for Electronics Market Size Forecast by Country (2026-2035) & (M USD)
Table 134. Europe Specialty Gases for Electronics Sales Forecast by Country (2026-2035) & (K MT)
Table 135. Europe Specialty Gases for Electronics Market Size Forecast by Country (2026-2035) & (M USD)
Table 136. Asia Pacific Specialty Gases for Electronics Sales Forecast by Region

(2026-2035) & (K MT)

Table 137. Asia Pacific Specialty Gases for Electronics Market Size Forecast by Region (2026-2035) & (M USD)

Table 138. South America Specialty Gases for Electronics Sales Forecast by Country (2026-2035) & (K MT)

Table 139. South America Specialty Gases for Electronics Market Size Forecast by Country (2026-2035) & (M USD)

Table 140. Middle East and Africa Specialty Gases for Electronics Sales Forecast by Country (2026-2035) & (Units)

Table 141. Middle East and Africa Specialty Gases for Electronics Market Size Forecast by Country (2026-2035) & (M USD)

Table 142. Global Specialty Gases for Electronics Sales Forecast by Type (2026-2035) & (K MT)

Table 143. Global Specialty Gases for Electronics Market Size Forecast by Type (2026-2035) & (M USD)

Table 144. Global Specialty Gases for Electronics Price Forecast by Type (2026-2035) & (USD/KG)

Table 145. Global Specialty Gases for Electronics Sales (K MT) Forecast by Application (2026-2035)

Table 146. Global Specialty Gases for Electronics Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Specialty Gases for Electronics
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Specialty Gases for Electronics Market Size (M USD), 2025-2035
- Figure 5. Global Specialty Gases for Electronics Market Size (M USD) (2020-2035)
- Figure 6. Global Specialty Gases for Electronics Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Specialty Gases for Electronics Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Specialty Gases for Electronics Product Life Cycle
- Figure 13. Specialty Gases for Electronics Sales Share by Manufacturers in 2025
- Figure 14. Global Specialty Gases for Electronics Revenue Share by Manufacturers in 2025
- Figure 15. Specialty Gases for Electronics Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Specialty Gases for Electronics Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Specialty Gases for Electronics Revenue in 2025
- Figure 18. Industry Chain Map of Specialty Gases for Electronics
- Figure 19. Global Specialty Gases for Electronics Market PEST Analysis
- Figure 20. Global Specialty Gases for Electronics Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Specialty Gases for Electronics Market Share by Type
- Figure 27. Sales Market Share of Specialty Gases for Electronics by Type (2020-2025)
- Figure 28. Sales Market Share of Specialty Gases for Electronics by Type in 2025
- Figure 29. Market Share of Specialty Gases for Electronics by Type (2020-2025)
- Figure 30. Market Share of Specialty Gases for Electronics by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Specialty Gases for Electronics Market Share by Application

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

Figure 34. Global Specialty Gases for Electronics Sales Market Share by Application in 2025

Figure 35. Global Specialty Gases for Electronics Market Share by Application (2020-2025)

Figure 36. Global Specialty Gases for Electronics Market Share by Application in 2025

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

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

Figure 39. Global Specialty Gases for Electronics Market Size by Region (2020-2025)

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

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

Figure 42. North America Specialty Gases for Electronics Sales Market Share by Country in 2024

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

Figure 44. North America Specialty Gases for Electronics Market Size by Country in 2024

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

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

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

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

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

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

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

Figure 52. Europe Specialty Gases for Electronics Sales Market Share by Country in 2024

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

Figure 54. Europe Specialty Gases for Electronics Market Size by Country in 2024

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

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

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

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

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

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

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

Figure 62. Italy Specialty Gases for Electronics Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Specialty Gases for Electronics Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Specialty Gases for Electronics Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Specialty Gases for Electronics Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Specialty Gases for Electronics Sales Market Share by Region in 2024

Figure 67. Asia Pacific Specialty Gases for Electronics Market Size by Region in 2024

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

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

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

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

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

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

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

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

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

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

Figure 78. South America Specialty Gases for Electronics Sales and Growth Rate (K MT)

Figure 79. South America Specialty Gases for Electronics Sales Market Share by Country in 2024

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

Figure 81. South America Specialty Gases for Electronics Market Size by Country in 2024

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

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

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

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

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

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

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

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

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

Figure 91. Middle East and Africa Specialty Gases for Electronics Market Size by Region in 2024

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

Figure 93. Saudi Arabia Specialty Gases for Electronics Market Size and Growth Rate

(2020-2025) & (M USD)

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

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

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

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

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

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

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

Figure 101. South Africa Specialty Gases for Electronics Market Size and Growth Rate (2020-2025) & (M USD)

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

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

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

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

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

Figure 107. Global Specialty Gases for Electronics Sales Forecast by Volume (2020-2035) & (K MT)

Figure 108. Global Specialty Gases for Electronics Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Specialty Gases for Electronics Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Specialty Gases for Electronics Market Share Forecast by Type (2026-2035)

Figure 111. Global Specialty Gases for Electronics Sales Forecast by Application (2026-2035)

Figure 112. Global Specialty Gases for Electronics Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global Specialty Gases for Electronics Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/GC5164F8E760EN.html>

Price: US\$ 2,980.00 (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/GC5164F8E760EN.html>