

Global Electronic and Semiconductor Special Gases Market Growth 2025-2031

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Abstracts

The global Electronic and Semiconductor Special Gases market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of % from 2025 to 2031.

Specialty Gases for Semiconductor 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 covers in this report.

United States market for Electronic and Semiconductor Special Gases is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Electronic and Semiconductor Special Gases is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Electronic and Semiconductor Special Gases is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Electronic and Semiconductor Special Gases players cover SK Materials (SK specialty), Merck (Versum Materials), Taiyo Nippon Sanso, Linde plc, Kanto Denka Kogyo, etc. In terms of revenue, the global two largest companies occupied for a share

nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Electronic and Semiconductor Special Gases Industry Forecast” looks at past sales and reviews total world Electronic and Semiconductor Special Gases sales in 2024, providing a comprehensive analysis by region and market sector of projected Electronic and Semiconductor Special Gases sales for 2025 through 2031. With Electronic and Semiconductor Special Gases sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Electronic and Semiconductor Special Gases industry.

This Insight Report provides a comprehensive analysis of the global Electronic and Semiconductor Special Gases landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Electronic and Semiconductor Special Gases portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Electronic and Semiconductor Special Gases market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Electronic and Semiconductor Special Gases and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Electronic and Semiconductor Special Gases.

This report presents a comprehensive overview, market shares, and growth opportunities of Electronic and Semiconductor Special Gases market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Nitrogen Trifluoride

Silicon-Precursor Gases

Fluoroalkane

Ammonia

Atmosphere Gas

Others

Segmentation by Application:

Semiconductor

Screen Panel

Photovoltaic

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 analysing the company's coverage, product portfolio, its market penetration.

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

Kaimeite Gases

Jinhong Gas

Hubei Heyuan Gas

Key Questions Addressed in this Report

What is the 10-year outlook for the global Electronic and Semiconductor Special Gases market?

What factors are driving Electronic and Semiconductor Special Gases market growth, globally and by region?

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

How do Electronic and Semiconductor Special Gases market opportunities vary by end market size?

How does Electronic and Semiconductor Special Gases break out by Type, by

Application?

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