

# Global Semiconductor Process Specialty Gases Market Growth 2022-2028

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## Abstracts

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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.

The global market for Semiconductor Process Specialty Gases is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Semiconductor Process Specialty Gases market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Semiconductor Process Specialty Gases market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Semiconductor Process Specialty Gases market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Semiconductor Process Specialty Gases market is expected at value of US\$

million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Semiconductor Process Specialty Gases players cover SK Materials (SK specialty), Merck (Versum Materials), Taiyo Nippon Sanso, Linde plc and Kanto Denka Kogyo, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

## Report Coverage

This latest report provides a deep insight into the global Semiconductor Process Specialty Gases market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Semiconductor Process Specialty Gases market, with both quantitative and qualitative data, to help readers understand how the Semiconductor Process Specialty Gases market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in Tons.

## Market Segmentation:

The study segments the Semiconductor Process Specialty Gases market and forecasts the market size by Type (Nitrogen Trifluoride, Silicon-Precursor Gases and Fluoroalkane), by Application (Consumer Electronics, Automotive Electronics, Networking & Communications and Others), and region (APAC, Americas, Europe, and Middle East & Africa).

## Segmentation by type

Nitrogen Trifluoride

Silicon-Precursor Gases

Fluoroalkane

Ammonia

Others

### Segmentation by application

Consumer Electronics

Automotive Electronics

Networking & Communications

Others

### Segmentation 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

Major companies covered

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

## Chapter Introduction

Chapter 1: Scope of Semiconductor Process Specialty Gases, Research Methodology, etc.

Chapter 2: Executive Summary, global Semiconductor Process Specialty Gases market size (sales and revenue) and CAGR, Semiconductor Process Specialty Gases market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Semiconductor Process Specialty Gases sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Semiconductor Process Specialty Gases sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Semiconductor Process Specialty Gases market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including SK Materials (SK specialty), Merck (Versum Materials), Taiyo Nippon Sanso, Linde plc, Kanto Denka Kogyo, Hyosung, PERIC, Showa Denko and Mitsui Chemical, etc.

Chapter 14: Research Findings and Conclusion

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