

Global Semiconductor Specialty Gases Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Semiconductor Specialty Gases market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Asia-Pacific is the largest consumption region due to the large downstream Semiconductor industry demand

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.

This report studies the global Semiconductor Specialty Gases production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semiconductor Specialty Gases, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Semiconductor Specialty Gases that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Semiconductor Specialty Gases total production and demand, 2018-2029, (Tons)

Global Semiconductor Specialty Gases total production value, 2018-2029, (USD Million)

Global Semiconductor Specialty Gases production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Semiconductor Specialty Gases consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Semiconductor Specialty Gases domestic production, consumption, key domestic manufacturers and share

Global Semiconductor Specialty Gases production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Semiconductor Specialty Gases production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Semiconductor Specialty Gases production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Semiconductor Specialty Gases market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SK Materials (SK specialty), Merck (Versum Materials), Taiyo Nippon Sanso, Linde plc, Kanto Denka Kogyo, Hyosung, PERIC, Showa Denko and Mitsui Chemical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Semiconductor Specialty Gases market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by

year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Semiconductor Specialty Gases Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Semiconductor Specialty Gases Market, Segmentation by Type

Nitrogen Trifluoride

Silicon-Precursor Gases

Fluoroalkane

Ammonia

Others

Global Semiconductor Specialty Gases Market, Segmentation by Application

Consumer Electronics

Automotive Electronics

Networking & Communications

Others

Companies Profiled:

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

Key Questions Answered

1. How big is the global Semiconductor Specialty Gases market?

2. What is the demand of the global Semiconductor Specialty Gases market?
3. What is the year over year growth of the global Semiconductor Specialty Gases market?
4. What is the production and production value of the global Semiconductor Specialty Gases market?
5. Who are the key producers in the global Semiconductor Specialty Gases market?
6. What are the growth factors driving the market demand?

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