

Global Specialty Gases for Semiconductor Production, Demand and Key Producers, 2022-2028

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Abstracts

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 Specialty Gases for Semiconductor market covers Nitrogen Trifluoride, Silicon-Precursor Gases, Fluoroalkane, Ammonia, Others, etc. The typical players include SK Materials, Hyosung, Kanto Denka Kogyo, Merck (Versum Materials), PERIC, Mitsui Chemical, ChemChina, Shandong FeiYuan, etc.

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

This report is a detailed and comprehensive analysis of the world market for Specialty Gases for Semiconductor, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of Specialty Gases for Semiconductor that contribute to its increasing demand across many markets.

The global Specialty Gases for Semiconductor market size is expected to reach \$ 4143.8 million by 2028, rising at a market growth of 6.7% CAGR during the forecast period (2022-2028).

Highlights and key features of the study

Global Specialty Gases for Semiconductor total production and demand, 2017-2028, (Ton)

Global Specialty Gases for Semiconductor total production value, 2017-2028, (USD Million)

Global Specialty Gases for Semiconductor production by region & country, production, value, CAGR, 2017-2028, (USD Million) & (Ton)

Global Specialty Gases for Semiconductor consumption by region & country, CAGR, 2017-2028 & (Ton)

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

Global Specialty Gases for Semiconductor production by manufacturer, production, price, value and market share 2017-2022, (USD Million) & (Ton)

Global Specialty Gases for Semiconductor production by Type, production, value, CAGR, 2017-2028, (USD Million) & (Ton)

Global Specialty Gases for Semiconductor production by Application production, value, CAGR, 2017-2028, (USD Million) & (Ton)

This reports profiles key players in the global Specialty Gases for Semiconductor market based on the following parameters – headquarters, production locations, products portfolio, Specialty Gases for Semiconductor revenue, sales, average price and gross margin, recent developments.

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 Specialty Gases for Semiconductor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Ton) and average price (K USD/Ton) by

manufacturer, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

Global Specialty Gases for Semiconductor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Global Specialty Gases for Semiconductor Market, Segmentation by Type

Nitrogen Trifluoride

Silicon-Precursor Gases

Fluoroalkane

Ammonia

Others

Global Specialty Gases for Semiconductor 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 Specialty Gases for Semiconductor market?

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

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