

# Global High-purity Gases for Semiconductors Market Growth 2025-2031

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## Abstracts

The global High-purity Gases for Semiconductors 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.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.58% year-on-year.

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

This Insight Report provides a comprehensive analysis of the global High-purity Gases

for Semiconductors 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 High-purity Gases for Semiconductors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High-purity Gases for Semiconductors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High-purity Gases for Semiconductors 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 High-purity Gases for Semiconductors.

This report presents a comprehensive overview, market shares, and growth opportunities of High-purity Gases for Semiconductors market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Hydrogen

Nitrogen Trifluoride

Chlorine Gas

Silicon Gases

Ammonia Gas

Others

#### Segmentation by Application:

Chamber Clean

Oxidation

Deposition

Etching

Doping

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

Versum Materials

Air Liquide

Taiyo Nippon Sanso

Praxair-Linde

Kanto Denka

Showa Denko

Air Products and Chemicals

Hyosung

Sumitomo Seika Chemicals

Central Glass

The 718th Research Institute of CSSC

Adeka

REC

Mitsui Chemical

Tokuyama

Guangdong Huate Gas

## Key Questions Addressed in this Report

What is the 10-year outlook for the global High-purity Gases for Semiconductors market?

What factors are driving High-purity Gases for Semiconductors market growth, globally and by region?

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

How do High-purity Gases for Semiconductors market opportunities vary by end market size?

How does High-purity Gases for Semiconductors break out by Type, by Application?

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