

# Global High Purity Helium for Semiconductor Market Growth 2025-2031

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## Abstracts

The global High Purity Helium for Semiconductor market size is predicted to grow from US\$ 369 million in 2025 to US\$ 565 million in 2031; it is expected to grow at a CAGR of 7.4% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

High purity helium gas (? 99.999%) is a key process gas in the semiconductor industry, widely used in various processes such as etching, ion implantation, cleaning, carrier gas, and heat treatment. Given the extremely high requirements for gas purity, stability, and supply continuity in semiconductor manufacturing, the global supply of high-purity helium gas has formed a relatively concentrated industrial chain, mainly dominated by several international gas giants.

United States market for High Purity Helium for Semiconductor 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 High Purity Helium for Semiconductor 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 High Purity Helium for Semiconductor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key High Purity Helium for Semiconductor players cover Air Liquid, Linde,

Messer Group, Air Products, Buzwair, 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 “High Purity Helium for Semiconductor Industry Forecast” looks at past sales and reviews total world High Purity Helium for Semiconductor sales in 2024, providing a comprehensive analysis by region and market sector of projected High Purity Helium for Semiconductor sales for 2025 through 2031. With High Purity Helium for Semiconductor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High Purity Helium for Semiconductor industry.

This Insight Report provides a comprehensive analysis of the global High Purity Helium for Semiconductor 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 Helium for Semiconductor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High Purity Helium for Semiconductor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High Purity Helium for Semiconductor 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 Helium for Semiconductor.

This report presents a comprehensive overview, market shares, and growth opportunities of High Purity Helium for Semiconductor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

5N

5.5N

Others

Segmentation by Application:

Plasma Etching

Ion Implantation

Dry Cleaning

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.

Air Liquid

Linde

Messer Group

Air Products

Buzwair

Gazprom

Gulf Cryo

Iceblick

RasGas

Taiyo Nippon Sanso

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global High Purity Helium for Semiconductor market?

What factors are driving High Purity Helium for Semiconductor market growth, globally and by region?

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

How do High Purity Helium for Semiconductor market opportunities vary by end market size?

How does High Purity Helium for Semiconductor break out by Type, by Application?

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