

# Global Process Gas Purification for Semiconductor Market Growth 2024-2030

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## Abstracts

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Purification capabilities play an increasingly critical role in semiconductor manufacturing as shrinking geometries and multi-layering are significantly increasing gas consumption per processed wafer.

Gas purifier is used to clean gases, reducing the risks of column damage, sensitivity loss, and instrument downtime. Inserting a Gas Clean Filter System in the gas line immediately before the instrument inlet greatly reduces the level of impurities that can lead to defects on the Deposition.

This report focuses on the gas purifiers for semiconductors, key applications include Deposition (MOCVD, PVD, CVD, Epitaxy, ALD) are the largest application, with a share about 45%, followed by Photolithography, etching (wet etch, dry etching), and other applications (wafer growing, diffusion and oxidation processes, stocker cleaning and purging, FOUP Cleaning and purging, etc.).

The global Process Gas Purification for Semiconductor market size is projected to grow from US\$ 238.7 million in 2023 to US\$ 375.4 million in 2030; it is expected to grow at a CAGR of 6.7% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Process Gas Purification for Semiconductor Industry Forecast" looks at past sales and reviews total world Process Gas Purification for Semiconductor sales in 2023, providing a comprehensive analysis by region and market sector of projected Process Gas Purification for Semiconductor sales for 2024 through 2030. With Process Gas Purification for Semiconductor sales

broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Process Gas Purification for Semiconductor industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Process Gas Purification 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 Process Gas Purification for Semiconductor.

United States market for Process Gas Purification for Semiconductor is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Process Gas Purification for Semiconductor is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Process Gas Purification for Semiconductor is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Process Gas Purification for Semiconductor players cover Entegris, Pall Corporation, Taiyo Nippon Sanso (Matheson), Applied Energy Systems and Japan Pionics, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth

opportunities of Process Gas Purification for Semiconductor market by product type, application, key manufacturers and key regions and countries.

### Segmentation by type

Point of Use Gas Purifiers

Bulk Gas Purifier

### Segmentation by application

Deposition (CVD/PVD/CVD)

Photolithography

Bulk Gas Delivery

Etching

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 analyzing the company's coverage, product portfolio, its market penetration.

Entegris

Pall Corporation

Taiyo Nippon Sanso (Matheson)

Applied Energy Systems

Japan Pionics

NuPure

Dalian Huabang Chemical

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Process Gas Purification for Semiconductor market?

What factors are driving Process Gas Purification for Semiconductor market growth, globally and by region?

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

How do Process Gas Purification for Semiconductor market opportunities vary by end market size?

How does Process Gas Purification for Semiconductor break out type, application?

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