

# Global Gas Scrubbers for Semiconductor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Gas Scrubbers for Semiconductor market size was valued at USD 1324 million in 2023 and is forecast to a readjusted size of USD 3558.1 million by 2030 with a CAGR of 15.2% during review period.

Burn Wet Type is a system that maximizes CO and Nox treatment efficiency through multi-stage combustion by passing the gas generated after use in the semiconductor process directly through the flame. Plasma Wet Type is a system that treats generated gas at a high temperature of 2000 °C or higher using DC Arc Jet Plasma in semiconductor, LCD, LED, OLED, and SOLAR processes. Wet Type is a system that treats water-soluble gas and dust through a high-pressure water pump and fine spray of water. Dry type is a system that treats harmful gases below TLV through physical and chemical adsorption as harmful gases pass through the adsorbent filling tank.

Global key manufacturers of Gas Scrubbers for Semiconductor include Ebara Corporation, Global Standard Technology, and UNISEM. The top five manufacturers account for approximately 50% of the global share. Global origins are mainly located in North America, Europe, China, Japan and South Korea, with South Korea being the world's largest producer of semiconductor gas scrubbers, with a share of about 50%. In terms of product type, plasma scrubbers are the largest segment with about 39% share, while in terms of application, CVD (SiH<sub>4</sub>, TEOS, DCS, NH<sub>3</sub>, ClF<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>, etc.) is the largest downstream segment with about 30%.

The Global Info Research report includes an overview of the development of the Gas Scrubbers for Semiconductor industry chain, the market status of CVD (SiH<sub>4</sub>, NF<sub>3</sub>,

WF6, B2H6, TEOS, TDMAT, N2O, C3H6, Etc.) (Burn Scrubber, Plasma Scrubber), Diffusion (SiH4, TEOS, DCS, NH3, ClF3, B2H6, Etc.) (Burn Scrubber, Plasma Scrubber), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Gas Scrubbers for Semiconductor.

Regionally, the report analyzes the Gas Scrubbers for Semiconductor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Gas Scrubbers for Semiconductor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Gas Scrubbers for Semiconductor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Gas Scrubbers for Semiconductor industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Burn Scrubber, Plasma Scrubber).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Gas Scrubbers for Semiconductor market.

**Regional Analysis:** The report involves examining the Gas Scrubbers for Semiconductor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Gas Scrubbers for Semiconductor market. This may include estimating market growth rates, predicting market demand, and identifying

emerging trends.

The report also involves a more granular approach to Gas Scrubbers for Semiconductor:

**Company Analysis:** Report covers individual Gas Scrubbers for Semiconductor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Gas Scrubbers for Semiconductor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (CVD (SiH<sub>4</sub>, NF<sub>3</sub>, WF<sub>6</sub>, B<sub>2</sub>H<sub>6</sub>, TEOS, TDMAT, N<sub>2</sub>O, C<sub>3</sub>H<sub>6</sub>, Etc.), Diffusion (SiH<sub>4</sub>, TEOS, DCS, NH<sub>3</sub>, ClF<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>, Etc.)).

**Technology Analysis:** Report covers specific technologies relevant to Gas Scrubbers for Semiconductor. It assesses the current state, advancements, and potential future developments in Gas Scrubbers for Semiconductor areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Gas Scrubbers for Semiconductor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Gas Scrubbers for Semiconductor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

## Market segment by Type

### Burn Scrubber

Plasma Scrubber

Heat Wet Scrubber

Dry Scrubber

#### Market segment by Application

CVD (SiH<sub>4</sub>, NF<sub>3</sub>, WF<sub>6</sub>, B<sub>2</sub>H<sub>6</sub>, TEOS, TDMAT, N<sub>2</sub>O, C<sub>3</sub>H<sub>6</sub>, Etc.)

Diffusion (SiH<sub>4</sub>, TEOS, DCS, NH<sub>3</sub>, ClF<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>, Etc.)

Etch (CF<sub>4</sub>, SF<sub>6</sub>, BCl<sub>3</sub>, Cl<sub>2</sub>, HBr, Etc.)

Others

#### Major players covered

Ebara

Global Standard Technology

CSK

Unisem

Edwards Vacuum

Kanken Techno

EcoSys

GNBS Engineering

DAS Environmental Expert GmbH

CS Clean Solution

YOUNGJIN IND

Integrated Plasma Inc (IPI)

Shengjian

MAT Plus

KC Innovation

Triple Cores Technology

Japan Pionics

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Gas Scrubbers for Semiconductor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gas Scrubbers for Semiconductor, with price, sales, revenue and global market share of Gas Scrubbers for Semiconductor from 2019 to 2024.

Chapter 3, the Gas Scrubbers for Semiconductor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gas Scrubbers for Semiconductor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Gas Scrubbers for Semiconductor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Gas Scrubbers for Semiconductor.

Chapter 14 and 15, to describe Gas Scrubbers for Semiconductor sales channel, distributors, customers, research findings and conclusion.

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