

Global Gas Scrubbers for Semiconductor Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Gas Scrubbers for Semiconductor market size will reach 1,635.25 Million USD in 2025 and is projected to reach 3,202.90 Million USD by 2032, with a CAGR of 10.08% (2025-2032). Notably, the China Gas Scrubbers for Semiconductor market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Gas scrubbers for semiconductor manufacturing are specialized air pollution control devices used to remove and neutralize harmful chemical gases and particulate matter from exhaust gases generated during various semiconductor fabrication processes. These scrubbers play a crucial role in maintaining cleanroom environments and ensuring the safety of semiconductor manufacturing facilities. Semiconductor gas scrubbers often utilize a combination of physical and chemical mechanisms to capture and neutralize toxic or reactive gases, preventing their release into the atmosphere. Commonly employed technologies include wet scrubbers that use liquid solutions to absorb and chemically treat gases, and dry scrubbers that use absorbent materials to capture contaminants. The efficient removal of hazardous gases is vital for semiconductor manufacturing, as even trace amounts of impurities can negatively impact the quality and reliability of semiconductor devices. Gas scrubbers contribute to environmental protection, worker safety, and the overall integrity of semiconductor manufacturing processes.

The major global manufacturers of Gas Scrubbers for Semiconductor include Ebara, Global Standard Technology, CSK, Unisem, Edwards Vacuum, Kanken Techno, EcoSys, GNBS Engineering, DAS Environmental Expert, CS Clean Solution, YOUNGJIN IND, Integrated Plasma Inc (IPI), Shengjian, MAT Plus, KC Innovation, Triple Cores Technology, Japan Pionics, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Gas Scrubbers for Semiconductor. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Gas Scrubbers for Semiconductor market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Gas Scrubbers for Semiconductor market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Gas Scrubbers for Semiconductor industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Gas Scrubbers for Semiconductor Include:

Ebara

Global Standard Technology

CSK

Unisem

Edwards Vacuum

Kanken Techno

EcoSys

GNBS Engineering

DAS Environmental Expert

CS Clean Solution

YOUNGJIN IND

Integrated Plasma Inc (IPI)

Shengjian

MAT Plus

KC Innovation

Triple Cores Technology

Japan Pionics

Gas Scrubbers for Semiconductor Product Segment Include:

Burn Scrubber

Plasma Scrubber

Heat Wet Scrubber

Dry Scrubber

Gas Scrubbers for Semiconductor Product Application Include:

CVD (SiH₄, NF₃, WF₆, B₂H₆, TEOS, TDMAT, N₂O, C₃H₆, Etc.)

Diffusion (SiH₄, TEOS, DCS, NH₃, ClF₃, B₂H₆, Etc.)

Etch (CF₄, SF₆, BCl₃, Cl₂, HBr, Etc.)

Others

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