

Global Cleaning for Semiconductor Equipment Parts Market 2023 by Company, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Cleaning for Semiconductor Equipment Parts market size was valued at USD 243.3 million in 2022 and is forecast to a readjusted size of USD 354.4 million by 2029 with a CAGR of 5.5% during review period.

Semiconductor chamber parts cleaning lagged behind the 'Ultra-Clean Revolution' which is central in discussing all other semiconductor process inputs (i.e., gases, chemicals and silicon). Every other semiconductor process input has a Certificate of Analysis (COA)?even new parts. However, recycled chamber part cleanliness varies significantly in particle levels and atomic level contamination. This is partly because standard practice used the tools themselves to perform the final cleaning of the parts. Verifying cleanliness targets was achieved by using many test wafers, expensive wafer metrology and wasted production time.

Semiconductor manufacturing equipment is a medium tool for achieving semiconductor manufacturing processes, playing an important role in all aspects. According to SEMI, worldwide sales of semiconductor manufacturing equipment increased 5% from \$102.6 billion in 2021 to an all-time record of \$107.6 billion in 2022.

In recent years, the localization process of China's semiconductor industry has further accelerated, and the performance of semiconductor equipment is more flexible than the overall industry. The localization of semiconductor equipment is ushering in a golden wave, and domestic semiconductor equipment is facing more opportunities for verification and trial use, technical cooperation, and import substitution. For the third consecutive year, China remained the largest semiconductor equipment market in 2022

despite a 5% slowdown in the pace of investments in the region year over year, accounting for \$28.3 billion in billings.

The record high for semiconductor manufacturing equipment sales in 2022 stems from the industry's drive to add the fab capacity required to support long-term growth and innovations in key end markets including high-performance computing and automotive. Additionally, the results reflect investments and determination across regions to avoid future semiconductor supply chain constraints like those that surfaced during the pandemic.

The Global Info Research report includes an overview of the development of the Cleaning for Semiconductor Equipment Parts industry chain, the market status of PVD Cleaning (like Process Shield) (Wet Cleaning, Dry cleaning (Physical)), CVD Cleaning (Showerhead/Gas Box/Upper Chamber Ring) (Wet Cleaning, Dry cleaning (Physical)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Cleaning for Semiconductor Equipment Parts.

Regionally, the report analyzes the Cleaning for Semiconductor Equipment Parts 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 Cleaning for Semiconductor Equipment Parts market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Cleaning for Semiconductor Equipment Parts 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 Cleaning for Semiconductor Equipment Parts 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 revenue generated, and market share of different by Type (e.g., Wet Cleaning, Dry cleaning (Physical)).

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 Cleaning for Semiconductor Equipment Parts market.

Regional Analysis: The report involves examining the Cleaning for Semiconductor Equipment Parts 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 Cleaning for Semiconductor Equipment Parts market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Cleaning for Semiconductor Equipment Parts:

Company Analysis: Report covers individual Cleaning for Semiconductor Equipment Parts players, 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 Cleaning for Semiconductor Equipment Parts This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (PVD Cleaning (like Process Shield), CVD Cleaning (Showerhead/Gas Box/Upper Chamber Ring)).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Cleaning for Semiconductor Equipment Parts 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

Cleaning for Semiconductor Equipment Parts market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Wet Cleaning

Dry cleaning (Physical)

Market segment by Application

PVD Cleaning (like Process Shield)

CVD Cleaning (Showerhead/Gas Box/Upper Chamber Ring)

Etch Cleaning (Outer Liner/Isolator/ESC)

Metal Cleaning (One-Piece Shield/Depo Ring/Shutter Disk)

Diffusion Cleaning (ALD Seal Cap/Flange/Manifold)

Others

Market segment by players, this report covers

Mitsubishi Chemical Europe GmbH (Cleanpart)

UCT (Ultra Clean Holdings, Inc)

Ferrotec

Persys

Neutron Technology

JST Manufacturing

SK enpulse

KoMiCo

Hansol IONES

Bruhin

Astro Pak

Frontken Corporation Berhad

Nikkoshi Co., Ltd.

Hung Jie Technology Corporation

Shih Her Technologies, Inc.

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Global Cleaning for Semiconductor Equipment Parts Market 2023 by Company, Regions, Type and Application, Forec...

Chapter 1, to describe Cleaning for Semiconductor Equipment Parts product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Cleaning for Semiconductor Equipment Parts, with revenue, gross margin and global market share of Cleaning for Semiconductor Equipment Parts from 2018 to 2023.

Chapter 3, the Cleaning for Semiconductor Equipment Parts competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2018 to 2029.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2018 to 2023. and Cleaning for Semiconductor Equipment Parts market forecast, by regions, type and application, with consumption value, from 2024 to 2029.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War

Chapter 12, the key raw materials and key suppliers, and industry chain of Cleaning for Semiconductor Equipment Parts.

Chapter 13, to describe Cleaning for Semiconductor Equipment Parts research findings and conclusion.

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