

# Global Spin Cleaning Equipment for Semiconductors Market Growth 2026-2032

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## Abstracts

The global Spin Cleaning Equipment for Semiconductors market size is predicted to grow from US\$ 4428 million in 2025 to US\$ 6511 million in 2032; it is expected to grow at a CAGR of 5.7% from 2026 to 2032.

Spin cleaning equipment for semiconductor typically refers to specialized process equipment that performs wet chemical cleaning, rinsing, and drying of wafers using a single-wafer rotation method. It is a standard configuration for many critical front-end and back-end processes in wafer manufacturing. Its typical form is a single-wafer cleaning system, which uses high-speed rotation combined with chemical spraying, ultrapure water rinsing, and spin drying or auxiliary drying to remove particles, metal residues, and organic residues from the wafer surface, while controlling interfacial tension to prevent pattern collapse and watermarks. Before and after processes such as photolithography, etching, and deposition, the rotation combined with chemical spraying, rinsing, and spin drying achieves selective decontamination of the single-wafer surface without damaging the device structure.

In 2025, global Spin Cleaning Equipment for Semiconductors sale reached approximately 1,493 Units, with an average global market price of around 3,032 K US\$/Unit. Production capacity reached 2,000 Units, with a gross profit margin of approximately 44%.

As device structures evolve towards three-dimensionality and high aspect ratios, single-wafer rotary cleaning must simultaneously meet the requirements of stronger defect removal capabilities and gentler interfacial interactions. ACM Research demonstrated its non-destructive cleaning capabilities on fragile or complex patterned wafers using novel ultrasonic bubble oscillation technologies such as TEBO. Tokyo Electron

employed low-temperature aerosol technology in ANTARES to achieve dry particle removal using only inert gases, without the need for ultrapure water and large amounts of chemicals, providing a new process window for sensitive thin films and downstream processes. SCREEN, in its SU series, emphasized improving single-wafer cleaning performance and productivity through optimized gas-liquid interface control, reflecting the industry's iterative development around interface control, flow field design, and multiphysics coupling. Environmental and cost pressures are driving equipment manufacturers to continuously optimize chemical recovery, low-consumption formulations, and waste reduction. NAURA Technology, in its single-wafer cleaning platform, highlights the simultaneous recovery of multiple chemicals and high recovery efficiency to reduce the overall operating costs for users.

LP Information, Inc. (LPI) ' newest research report, the "Spin Cleaning Equipment for Semiconductors Industry Forecast" looks at past sales and reviews total world Spin Cleaning Equipment for Semiconductors sales in 2025, providing a comprehensive analysis by region and market sector of projected Spin Cleaning Equipment for Semiconductors sales for 2026 through 2032. With Spin Cleaning Equipment for Semiconductors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Spin Cleaning Equipment for Semiconductors industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Spin Cleaning Equipment for Semiconductors and breaks down the forecast by Equipment 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 Spin Cleaning Equipment for Semiconductors.

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

opportunities of Spin Cleaning Equipment for Semiconductors market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Equipment Type:

Batch Type

Single Piece Type

Combination Type

#### Segmentation by Number of Chamber:

4 Chamber and Below

4-8 Chamber

Above 8 Chamber

#### Segmentation by Type:

Manual

Semi-automatic

Fully Automatic

#### Segmentation by Application:

Integrated Circuit

Advanced Packaging

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.

Tokyo Electron

SEMES

Chemical Art Technology

TAKADA Corporation

TAZMO Co., Ltd

DALTON Corporation

SCREEN Semiconductor Solutions

Mimasu Semiconductor (Shin-Etsu)

Daikin Finetech

Ramgraber GmbH

Shibaura Mechatronics

Dan Science Co., Ltd

C&D Semiconductor

Lam Research

PRE-TECH Co., Ltd

AP&S International GmbH

Ultra T Equipment

PSK Inc

Semix Semiconductor

Suzhou Zhicheng Semiconductor Technology

NAURA Technology

KINGSEMI Co., Ltd

Shanghai Zhiwei Semiconductor

GKC Technology

Holding Electronics

Shanghai Zhonghong Electronic

## Key Questions Addressed in this Report

What is the 10-year outlook for the global Spin Cleaning Equipment for Semiconductors market?

What factors are driving Spin Cleaning Equipment for Semiconductors market growth, globally and by region?

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

How do Spin Cleaning Equipment for Semiconductors market opportunities vary by end market size?

How does Spin Cleaning Equipment for Semiconductors break out by Equipment Type, by Application?

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