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Global Vacuum Dry Pump for Semiconductor Market Growth 2026-2032

https://marketpublishers.com/r/GE26F5D2E560EN.html
Date: July 2026
Pages: 121
Price: US$ 3,660.00 (Single User License)
ID: GE26F5D2E560EN

Abstracts

The global Vacuum Dry Pump for Semiconductor market size is predicted to grow from US$ 1484 million in 2025 to US$ 3094 million in 2032; it is expected to grow at a CAGR of 10.9% from 2026 to 2032.

Vacuum Dry Pump, also known as a Dry Mechanical Vacuum Pump, is an oil-free and contamination-free pumping device used in vacuum systems. Dry pump is specifically designed to meet the high-precision, high-cleanliness, and high-stability requirements of process environments in industries such as semiconductors, flat panel displays, solar photovoltaics, and lithography.

Key Drivers

Technological Advancements: Continuous innovation in vacuum pump technology, including the development of advanced materials and designs, has improved pump efficiency, reduced energy consumption, and increased pump lifespan. These advancements are critical for meeting the rigorous requirements of semiconductor manufacturing processes.

Increasing Demand for Semiconductors: The global demand for semiconductors is growing rapidly, driven by advancements in technology and the increasing use of electronic devices in daily life. This growth is expected to continue, further driving the demand for vacuum dry pumps in the semiconductor industry.

Stringent Quality Standards: Semiconductor manufacturing processes require extremely high levels of cleanliness and precision. Vacuum dry pumps, which operate without any liquid in the pump chamber, are ideal for these applications as they eliminate the risk of

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oil contamination and leaks.

Major Players

The semiconductor dry pump market is highly competitive, with several major players dominating the market. These players include Atlas Copco (Edwards Vacuum), Ebara Corporation, Pfeiffer Vacuum GmbH, Kashiyama Industries, and others. These companies have established strong positions in the market through continuous innovation, high-quality products, and comprehensive customer support.

Future Trends

The future of the semiconductor dry pump market looks promising. With the continued growth of the semiconductor industry, the demand for high-quality vacuum dry pumps is expected to increase. Additionally, advancements in pump technology, such as the development of new materials and designs, will further drive market growth. However, manufacturers will need to address challenges such as market integration, globalization, and sustainability to remain competitive in the market.

In conclusion, the market for Vacuum Dry Pumps in the Semiconductor industry is a crucial segment experiencing significant growth. Driven by technological advancements, increasing demand for semiconductors, and stringent quality standards, this market is poised for further expansion in the coming years.

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

This Insight Report provides a comprehensive analysis of the global Vacuum Dry Pump 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 Vacuum Dry Pump for Semiconductor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Vacuum Dry Pump for Semiconductor

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market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Vacuum Dry Pump 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 Vacuum Dry Pump for Semiconductor.

This report presents a comprehensive overview, market shares, and growth opportunities of Vacuum Dry Pump for Semiconductor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Roots Type

Screw Type

Scroll Type

Claw Type

Other Types

Segmentation by Pumping Speed:

Below 10,000 (L/min)

10,000-20,000 (L/min)

20,000-30,000 (L/min)

30,000-40,000 (L/min)

40,000-50,000 (L/min)

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Above 50,000 (L/min)

Segmentation by Application Environment:

Gas

Liquid

Segmentation by Application:

CVD/PVD

Photolithography/Etching

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

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- 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.

- Atlas Copco (Edwards Vacuum)
- Ebara Corporation

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Pfeiffer Vacuum GmbH

Kashiyama Industries

Beijing Grand Hitek

SKY

HANBELL

LOTVACUUM

BAOSI

Taiko Kikai Industries

Busch Vacuum

EVP

ULVAC, Inc

Osaka Vacuum, Ltd

Scroll Laboratories, Inc

Key Questions Addressed in this Report
What is the 10-year outlook for the global Vacuum Dry Pump for Semiconductor market?
What factors are driving Vacuum Dry Pump for Semiconductor market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Vacuum Dry Pump for Semiconductor market opportunities vary by end market size?
How does Vacuum Dry Pump for Semiconductor break out by Type, by Application?

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