

Global Pneumatic Vacuum Valves for Semiconductor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Pneumatic Vacuum Valves for Semiconductor market size was valued at US\$ 1332 million in 2025 and is forecast to a readjusted size of US\$ 1802 million by 2032 with a CAGR of 4.4% during review period.

In 2025, global pneumatic vacuum valve for semiconductor production reached approximately 2271 k units, the average price is 570 usd/ unit. Pneumatic vacuum valve for semiconductor is an automatic actuator designed for various vacuum systems in semiconductor manufacturing process. Its core function is to accurately control the "on" and "off" of gases in specific vacuum pipelines, thereby isolating or connecting different process chambers to ensure that chip manufacturing can be carried out stably under the required high vacuum or even ultra-high vacuum environment.

The gross profit margin of pneumatic vacuum valves for semiconductors is around 45%.

This report is a detailed and comprehensive analysis for global Pneumatic Vacuum Valves for Semiconductor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Structure and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Pneumatic Vacuum Valves for Semiconductor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Pneumatic Vacuum Valves for Semiconductor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Pneumatic Vacuum Valves for Semiconductor market size and forecasts, by Structure and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Pneumatic Vacuum Valves for Semiconductor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Pneumatic Vacuum Valves for Semiconductor
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Pneumatic Vacuum Valves for Semiconductor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include VAT Group AG, Fujikin, Parker, CKD, MKS, Pfeiffer Vacuum, SMC Corporation, KITZ SCT, HVA, i-San Inc, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Pneumatic Vacuum Valves for Semiconductor market is split by Structure and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Structure, and by Application in terms of volume and value. This analysis can help you expand your business by

targeting qualified niche markets.

Market segment by Structure

Gate Valve

Angle Valve

Inline Valve

Butterfly Valve

Slit Valve

Market segment by Drive

Single-acting Pneumatic Valve

Double-acting Pneumatic Valve

Market segment by Seal

Elastomeric Seal Valve

Metal Seal Valve

Market segment by Application

Etching Equipment

Thin Film Deposition Equipment

Lithographic Equipment

Ion Implanter Equipment

Metrology & Inspection Equipment

Others

Major players covered

VAT Group AG

Fujikin

Parker

CKD

MKS

Pfeiffer Vacuum

SMC Corporation

KITZ SCT

HVA

i-San Inc

Entegris

Emerson

Rotarex

Festo

Atlas Copco

Highlight Tech Corp (HTC)

Kunshan Kinglai Hygienic Materials

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 Pneumatic Vacuum Valves for Semiconductor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Pneumatic Vacuum Valves for Semiconductor, with price, sales quantity, revenue, and global market share of Pneumatic Vacuum Valves for Semiconductor from 2021 to 2026.

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

Chapter 4, the Pneumatic Vacuum Valves for Semiconductor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Structure and by Application, with sales market share and growth rate by Structure, by Application, from 2021 to 2032.

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 2021 to 2026. and Pneumatic Vacuum Valves for Semiconductor market forecast, by regions, by Structure, and by Application, with sales and revenue, from 2027 to 2032.

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 Pneumatic Vacuum Valves for Semiconductor.

Chapter 14 and 15, to describe Pneumatic Vacuum Valves for Semiconductor sales channel, distributors, customers, research findings and conclusion.

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