

Europe Vacuum Pump Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The European Vacuum Pump Market is expected to register a CAGR of around 6.4% during the forecast period. The overall growth of the vacuum pump market is primarily driven by customers' investments in new production technology and, to a certain extent, by investments in production capacity. The growing adoption of vacuum pumps in oil and gas, electronics, medicine, chemical processing, and food and beverage is further driving the demand for vacuum pumps.

Key Highlights

Vacuum pumps are in high demand for business and commercial production, automotive, and other mechanically driven activities. As the technology grows, so does the function of vacuum pumps in the market, shaped by different innovations from various fields, even outside of mechanical and industrial works.

According to the United Nations COMTRADE database on international trade, the EU imports of air or vacuum pumps, air or other gas compressors from Sri Lanka amounted to USD 38.57 thousand last year.

One of the most common uses of vacuum pumps in the industry, or even in households, would be the significant contribution to fluid systems and waterworks. Vacuum pumps efficiently transport different fluids, such as fuel, water waste, and chemicals, from one place to another.

The food and beverage sector is also utilizing these devices for dairy processing, sterilizing tea and spices, chocolate production, coffee roasting, deaeration of mineral water, etc., positively influencing the demand for vacuum pumps. In the process of food packaging, vacuum pumps can be used to exhaust air, which can extend food storage time and remove odors.

According to the European Institute of Innovation & Technology (EIT) food in January 2022, to identify and assess new alternative protein ingredients from underutilized plant sources, such as legumes and oil seed press-cakes, the TASTE2MEAT project is developing knowledge-based strategies for high sensory quality meat alternatives by explicitly focusing on flavor and structure, thus driving the demand for vacuum pumps in the food and beverage industry.

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Due to the COVID-19 pandemic, the global supply chain and demand for vacuum pumps were disrupted, owing to which market adoption was severely impacted. Due to the production shutdown, countries such as the United Kingdom, Germany, and France observed a shortage of vacuum pumps during the pandemic.

Vacuum Pump Market Trends

Rotary Vane Pumps to Witness Significant Growth

The rotary vane pumps are the most advantageous of all pumps. With these pumps, automakers can make different products that allow the movement of fluids, including automatic transmissions, brakes, power steering systems, and more. Even the aviation industry relies on rotary pumps for various aspects of airplanes.

According to ACEA, monthly passenger car sales in Europe in April 2022 accounted for 8,31,000 units. Traditionally, European vendors dominated the rotary vane vacuum pump market, such as Atlas Copco, which acquired various pump businesses to increase its foothold. However, these companies reported revenues closer to their domestic revenues.

Rotary vane pumps are widely used in the industrial field as a vital vacuum pump type. It is also a rapidly developing vacuum pump type with a functional structure.

Along with the advances in rotary vane pump performance, industrial robots, microelectronics, computers, intelligent and image sensing technology, and other high and new technology in the pump industry are widely used in the market. Over the coming years, the research and development of rotary vane vacuum pumps will be focused on increased speed, enhanced functionality, and control.

Food and Beverage to Hold Significant Share

In the food industry, more than one billion tons of food are lost or wasted worldwide. Through vacuum pumps, food is better preserved, and billions of dollars are saved in the industry. The vacuum pumps create air-tight food packaging seals, which can reduce the growth of bacteria and mold. Vacuum pumps can also leverage optimal cooling to keep fruits and vegetables fresh and healthy directly after harvest.

According to Office for National Statistics (UK), consumer spending on food and beverage in the United Kingdom reached almost GBP 118 billion (~USD 159 billion) last year. In the food manufacturing sector, optimizing and improving the processing systems' efficiency, then using a vacuum pump is an ideal solution.

According to the Government of Canada, in February 2022, Germany was expected to be the largest market for food and agricultural products in the European Union. The German market offers good opportunities for Canadian exporters of consumer-oriented food and agriculture products, particularly nuts, fish and seafood products, dried fruits, sauces and condiments, bakery products, and organic products. Vacuum pumps are essential in the food process to help remove the entrails from packaged meats. The efficiency of this process can lead to higher food quality, excellent sanitation, and increased operational productivity, resulting in a significant increase in vacuum pump demand.

The vacuum pumps drying can quickly preserve meat and vegetables by sustaining a maximum pressure where the items are preserved, and the water evaporates, creating a firm seal. According to the Istat, the total monthly household consumption expenditure on vegetables in Italy totaled around EUR 64.81 (~USD 66.58) last year. Moreover, the average monthly consumption expenditure of meat products stood at EUR 100.14 (~USD 102.87) last year.

Vacuum Pump Market Competitor Analysis

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The Europe Vacuum Pump Market is very competitive in nature. Some of the significant players in the market include Atlas Copco AB, Edwards Vacuum, Flowserve Corporation, Busch Group, and Pfeiffer Vacuum GmbH.

June 2022 - Flowserve Corporation, a provider of flow control products and services for the global infrastructure markets, collaborated with AGI Industries to supply 5,000 industrial process pumps to TMGcore, which will be utilized in various patented immersion cooling units designed through its science-based approach. The Flowserve pumps will circulate dielectric fluids, enabling heat dissipation and cooling servers within single-phase immersion-cooled units.

April 2022 - PNEUMOFOR announced to install UV100 Rotary Vane vacuum pump at the Tierra Blanca glass production plant of Grupo Modelo, a Mexican beer brewer and glass manufacturer.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET INSIGHTS

- 4.1 Market Overview
- 4.2 Industry Attractiveness - Porter's Five Forces Analysis
 - 4.2.1 Bargaining Power of Suppliers
 - 4.2.2 Bargaining Power of Consumers
 - 4.2.3 Threat of New Entrants
 - 4.2.4 Threat of Substitutes
 - 4.2.5 Intensity of Competitive Rivalry
- 4.3 Industry Value Chain Analysis
- 4.4 Impact of COVID-19 on the Vacuum Pump Market

5 MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Popularity of MEMS Technology
 - 5.1.2 Increasing Demand for Dry Vacuum Pump
- 5.2 Market Challenges
 - 5.2.1 High Cost and Compatibility Issues

6 MARKET SEGMENTATION

- 6.1 By Type

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- 6.1.1 Rotary Vacuum Pumps
 - 6.1.1.1 Rotary Vane Pumps
 - 6.1.1.2 Screw and Claw Pumps
 - 6.1.1.3 Roots Pumps
- 6.1.2 Reciprocating Vacuum Pumps
 - 6.1.2.1 Diaphragm Pumps
 - 6.1.2.2 Piston Pumps
- 6.1.3 Kinetic Vacuum Pumps
 - 6.1.3.1 Ejector Pumps
 - 6.1.3.2 Turbomolecular Pumps
 - 6.1.3.3 Diffusion Pumps
- 6.1.4 Dynamic Pumps
 - 6.1.4.1 Liquid Ring Pumps
 - 6.1.4.2 Side Channel Pumps
- 6.1.5 Specialized Vacuum Pumps
 - 6.1.5.1 Getter Pumps
 - 6.1.5.2 Cryogenic Pumps
- 6.2 By End-user Application
 - 6.2.1 Oil and Gas
 - 6.2.2 Electronics
 - 6.2.3 Medicine
 - 6.2.4 Chemical Processing
 - 6.2.5 Food and Beverage
 - 6.2.6 Power Generation
 - 6.2.7 Other End-user Applications (Wood, Paper and Pulp, etc.)
- 6.3 By Country
 - 6.3.1 United Kingdom
 - 6.3.2 Germany
 - 6.3.3 France
 - 6.3.4 Rest of Europe

7 COMPETITIVE LANDSCAPE

- 7.1 Company Profiles
 - 7.1.1 Atlas Copco AB
 - 7.1.2 Edwards Vacuum
 - 7.1.3 Flowserve Corporation
 - 7.1.4 Busch Group
 - 7.1.5 Pfeiffer Vacuum GmbH
 - 7.1.6 ULVAC
 - 7.1.7 Becker Pumps
 - 7.1.8 Tsurumi Manufacturing Co. Ltd
 - 7.1.9 Ingersoll Rand
 - 7.1.10 Gardner Denver

8 INVESTMENT ANALYSIS

9 FUTURE OF THE MARKET

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