

Global Rotary Vane Vacuum Pumps Market Data Survey Report 2025

https://marketpublishers.com/r/G60E34EF097EN.html

Date: October 2017

Pages: 88

Price: US\$ 1,500.00 (Single User License)

ID: G60E34EF097EN

Abstracts

Summary

Rotary vane vacuum pumps are mechanical vacuum pumps that operate via rotary positive displacement. Pumping system consist of a housing, an eccentrically installed rotor, vanes that move radially, and an inlet and outlet. Larger pumps may have additional impeller vanes. Rotary vane vacuum pumps create regions of low pressure by moving fluid using a rotating vane assembly in the pumping chamber. Typically there are two or more rotating vanes that move the gas or fluid from inlet to outlet. Rotary vane pumps can be employed universally throughout the entire low and medium vacuum ranges. As the rotor turns, the ends of the vane barely touch the housing, creating a seal from inlet to outlet. The inlet and outlet are often perpendicular, however for vacuum service applications two inlets may be used; one for air supply and the other for the pumped media. The rotor and vanes divide the working chamber into two separate spaces having variable volumes. As the rotor turns, gas flows into the enlarging suction chamber until it is sealed off by the second vane. The enclosed gas is compressed until the outlet valve opens against atmospheric pressure, pushing gas molecules out the port.

The global Rotary Vane Vacuum Pumps market will reach Volume Million USD in 2017 with CAGR xx% 2018-2025. The main contents of the report including:

Global market size and forecast

Regional market size, production data and export & import

Key manufacturers (manufacturing sites, capacity and production, product specifications



etc.)

Average market price by SUK

Major applications

Key manufacturers are included based on manufacturing sites, capacity and production, product specifications etc.:

Atlas Copco Busch Gardner Denver Pfeiffer Vacuum Tuthill **Becker Pumps** Agilent Gast(IDEX) **ULVAC** Value Specializes Dekker Vacuum Technologies Osaka Vacuum Hokaido Vacuum Technology

Major applications

Wenling Tingwei



| as follows: | | |
|--|--|--|
| Semiconductor and Electronic Industry | | |
| Chemical Industry | | |
| Laboratory Research | | |
| Food Industry | | |
| Machinery Industry | | |
| Others | | |
| Regional market size, production data and export & import: | | |
| Asia-Pacific | | |
| | | |
| North America | | |
| North America Europe | | |
| | | |
| Europe | | |



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