

## **Sliding Vane Air Motor Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028**

Market Report | 2023-10-15 | 142 pages | IMARC Group

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### **Report description:**

Market Overview:

The global sliding vane air motor market size reached US\$ 2.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.3 Billion by 2028, exhibiting a growth rate (CAGR) of 5.14% during 2023-2028.

Sliding vane air motors, also known as rotary or pneumatic vane air motors, are designed to create mechanical movement by exploiting the expansion of strongly compressed air. They consist of a slotted rotor with sliding vanes mounted on a drive shaft. These motors use compressed air energy that enters the sealed motor chamber, exerts pressure against the vanes of a rotor, and provides rotational motion to the central shaft. The sliding vane air motor mechanism turns potential energy into kinetic energy, giving the required torque for the shaft. As a result, they find extensive applications across the automotive, healthcare, and manufacturing industries.

Sliding Vane Air Motor Market Trends:

The increasing product demand in food processing units across the globe is creating a positive outlook for the market. Sliding vane air motors are widely used owing to their capacity to perform in moist environments and offer enhanced safety, flexibility, reliability, and productivity. In line with this, the widespread adoption of sliding vane air motors over electric motors in fruit juice processing to smoothen the process since moisture can damage the functioning of the electric motor is acting as another growth-inducing factor. Apart from this, the introduction of lightweight, compact, and easy-to-install sliding vane air motors that efficiently work in a variety of hazardous settings with low fuel consumption is providing an impetus to the market growth. Moreover, the increasing demand for improved tools with variable torque and fastening capabilities for drilling, cutting, and other purposes is favoring the market growth. Additionally, the widespread product utilization in the medical industry for orthopedic operations and other surgical procedures is propelling the market growth. Other factors, including extensive research and development (R&D) activities, increasing investments toward superior industrial tools, significant growth in the automotive

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industry, and widespread product adoption due to their high power-to-weight ratio and easy maintenance, are anticipated to drive the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global sliding vane air motor market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on application and end use industry.

#### Breakup by Application:

- Tools
- Industrial Equipment
- Others

#### Breakup by End Use Industry:

- Automotive
- Manufacturing
- Healthcare
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany
  - France
  - United Kingdom
  - Italy
  - Spain
  - Russia
  - Others
- Latin America
  - Brazil
  - Mexico
  - Others
- Middle East and Africa

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## Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Atlas Copco AB, Bibus AG, Deprag Schulz GmbH u. Co., Ferry Produits, Globe Airmotors, Ingersoll Rand, Parker Hannifin Corporation, Sanei Co. Ltd. and Sommer-Technik GmbH.

## Key Questions Answered in This Report:

How has the global sliding vane air motor market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global sliding vane air motor market?

What are the key regional markets?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global sliding vane air motor market and who are the key players?

What is the degree of competition in the industry?

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