

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

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Abstracts

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 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

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?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL SLIDING VANE AIR MOTOR MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY APPLICATION

- 6.1 Tools
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Industrial Equipment
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Others

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY END USE INDUSTRY

7.1 Automotive

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Manufacturing

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Healthcare

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Others

7.4.1 Market Trends

7.4.2 Market Forecast

8 MARKET BREAKUP BY REGION

8.1 North America

8.1.1 United States

8.1.1.1 Market Trends

8.1.1.2 Market Forecast

8.1.2 Canada

8.1.2.1 Market Trends

8.1.2.2 Market Forecast

8.2 Asia-Pacific

8.2.1 China

8.2.1.1 Market Trends

8.2.1.2 Market Forecast

8.2.2 Japan

8.2.2.1 Market Trends

8.2.2.2 Market Forecast

8.2.3 India

8.2.3.1 Market Trends

8.2.3.2 Market Forecast

8.2.4 South Korea

8.2.4.1 Market Trends

- 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Atlas Copco AB

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.1.3 Financials

13.3.1.4 SWOT Analysis

- 13.3.2 Bibus AG
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
- 13.3.3 Deprag Schulz GmbH u. Co.
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
- 13.3.4 Ferry Produits
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
- 13.3.5 Globe Airmotors
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
- 13.3.6 Ingersoll Rand
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.6.3 Financials
 - 13.3.6.4 SWOT Analysis
- 13.3.7 Parker Hannifin Corporation
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
 - 13.3.7.4 SWOT Analysis
- 13.3.8 Sanei Co. Ltd.
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
- 13.3.9 Sommer-Technik GmbH
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Sliding Vane Air Motor Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Sliding Vane Air Motor Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 3: Global: Sliding Vane Air Motor Market Forecast: Breakup by End Use Industry (in Million US\$), 2023-2028

Table 4: Global: Sliding Vane Air Motor Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Sliding Vane Air Motor Market: Competitive Structure

Table 6: Global: Sliding Vane Air Motor Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Sliding Vane Air Motor Market: Major Drivers and Challenges

Figure 2: Global: Sliding Vane Air Motor Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Sliding Vane Air Motor Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Sliding Vane Air Motor Market: Breakup by Application (in %), 2022

Figure 5: Global: Sliding Vane Air Motor Market: Breakup by End Use Industry (in %), 2022

Figure 6: Global: Sliding Vane Air Motor Market: Breakup by Region (in %), 2022

Figure 7: Global: Sliding Vane Air Motor (Tools) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Sliding Vane Air Motor (Tools) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Sliding Vane Air Motor (Industrial Equipment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Sliding Vane Air Motor (Industrial Equipment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Sliding Vane Air Motor (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Sliding Vane Air Motor (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Sliding Vane Air Motor (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Sliding Vane Air Motor (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Sliding Vane Air Motor (Manufacturing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Sliding Vane Air Motor (Manufacturing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Sliding Vane Air Motor (Healthcare) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Sliding Vane Air Motor (Healthcare) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Sliding Vane Air Motor (Other End Use Industries) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Sliding Vane Air Motor (Other End Use Industries) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: North America: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: North America: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: United States: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: United States: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Canada: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Canada: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Asia-Pacific: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Asia-Pacific: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: China: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: China: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Japan: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Japan: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: India: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: India: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: South Korea: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: South Korea: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Australia: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Australia: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Indonesia: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017

& 2022

Figure 40: Indonesia: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Others: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Others: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Europe: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Europe: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Germany: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Germany: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: France: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: France: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: United Kingdom: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: United Kingdom: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Italy: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Italy: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Spain: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Spain: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Russia: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Russia: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Others: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Others: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Latin America: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Latin America: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Brazil: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Brazil: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Mexico: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Mexico: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Others: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Others: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Middle East and Africa: Sliding Vane Air Motor Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Middle East and Africa: Sliding Vane Air Motor Market: Breakup by Country (in %), 2022

Figure 69: Middle East and Africa: Sliding Vane Air Motor Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Global: Sliding Vane Air Motor Industry: SWOT Analysis

Figure 71: Global: Sliding Vane Air Motor Industry: Value Chain Analysis

Figure 72: Global: Sliding Vane Air Motor Industry: Porter's Five Forces Analysis

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