

# Global Mechanical Vacuum Pumps Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Mechanical Vacuum Pumps market size was valued at USD 6544.4 million in 2023 and is forecast to a readjusted size of USD 9612.8 million by 2030 with a CAGR of 5.6% during review period.

A vacuum pump is a device that uses various methods to generate, improve and maintain a vacuum in a closed space. A vacuum pump can be defined as a device or device that uses mechanical, physical, chemical or physical-chemical methods to pump the container to obtain a vacuum. With the development of vacuum applications, many types of vacuum pumps have been developed, and their pumping speeds range from a few tenths of a liter per second to hundreds of thousands and millions of liters per second. The ultimate pressure (ultimate vacuum) ranges from rough vacuum to ultra-high vacuum above 10-12 Pa. Due to the wide range of working pressures involved in the vacuum application sector, it is impossible for any type of vacuum pump to be completely suitable for all working pressure ranges vacuum pump. Any pump that uses mechanical movement (rotation or sliding) to obtain vacuum is called a mechanical vacuum pump. Mechanical vacuum pump is a kind of machine for making vacuum, which can discharge or absorb air in a closed or semi-closed space to achieve a relative vacuum in the local space.

Global key players of mechanical vacuum pumps include Atlas Copco, Pfeiffer Vacuum, Flowsolve SIHI, Ebara, etc. Global top five manufacturers hold a share over 34%. In terms of product, scroll pump is the largest segment, with a share over 34%. And in terms of application, the largest application is semiconductor & electronics, with a share over 33%.

The Global Info Research report includes an overview of the development of the Mechanical Vacuum Pumps industry chain, the market status of Industrial & Manufacturing (Scroll Pump, Roots Pump), Chemical Processing (Scroll Pump, Roots Pump), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Mechanical Vacuum Pumps.

Regionally, the report analyzes the Mechanical Vacuum Pumps markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Mechanical Vacuum Pumps market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Mechanical Vacuum Pumps market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Mechanical Vacuum Pumps industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Scroll Pump, Roots Pump).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Mechanical Vacuum Pumps market.

**Regional Analysis:** The report involves examining the Mechanical Vacuum Pumps market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Mechanical Vacuum Pumps market. This may include

estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Mechanical Vacuum Pumps:

**Company Analysis:** Report covers individual Mechanical Vacuum Pumps manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Mechanical Vacuum Pumps. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industrial & Manufacturing, Chemical Processing).

**Technology Analysis:** Report covers specific technologies relevant to Mechanical Vacuum Pumps. It assesses the current state, advancements, and potential future developments in Mechanical Vacuum Pumps areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Mechanical Vacuum Pumps market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Mechanical Vacuum Pumps market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Scroll Pump

Roots Pump

Screw Pump

Claw Type Pump

Rotary Vane Pump

Others

#### Market segment by Application

Industrial & Manufacturing

Chemical Processing

Semiconductor & Electronics

Others

#### Major players covered

Atlas Copco

Pfeiffer Vacuum

Flowserve SIHI

Ebara

Busch Vacuum

Kashiyama

ULVAC

Agilent

Gardner Denver

Osaka Vacuum

Hanbell Precise Machinery

Anest Iwata

Gast (IDEX)

Labconco

Air Squared Inc

SKY Technology Development

Samson Pump

Becker Pumps

Graham

Shanghai Second Vacuum Pump Factory

Shandong Zhangqiu Blower

PPI Pumps

Xiamen East Asia

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 Mechanical Vacuum Pumps product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mechanical Vacuum Pumps, with price, sales, revenue and global market share of Mechanical Vacuum Pumps from 2019 to 2024.

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

Chapter 4, the Mechanical Vacuum Pumps breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Mechanical Vacuum Pumps market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Mechanical Vacuum Pumps.

Chapter 14 and 15, to describe Mechanical Vacuum Pumps sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Mechanical Vacuum Pumps
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Mechanical Vacuum Pumps Consumption Value by Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 Scroll Pump
  - 1.3.3 Roots Pump
  - 1.3.4 Screw Pump
  - 1.3.5 Claw Type Pump
  - 1.3.6 Rotary Vane Pump
  - 1.3.7 Others
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Mechanical Vacuum Pumps Consumption Value by Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 Industrial & Manufacturing
  - 1.4.3 Chemical Processing
  - 1.4.4 Semiconductor & Electronics
  - 1.4.5 Others
- 1.5 Global Mechanical Vacuum Pumps Market Size & Forecast
  - 1.5.1 Global Mechanical Vacuum Pumps Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Mechanical Vacuum Pumps Sales Quantity (2019-2030)
  - 1.5.3 Global Mechanical Vacuum Pumps Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

- 2.1 Atlas Copco
  - 2.1.1 Atlas Copco Details
  - 2.1.2 Atlas Copco Major Business
  - 2.1.3 Atlas Copco Mechanical Vacuum Pumps Product and Services
  - 2.1.4 Atlas Copco Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.1.5 Atlas Copco Recent Developments/Updates
- 2.2 Pfeiffer Vacuum
  - 2.2.1 Pfeiffer Vacuum Details
  - 2.2.2 Pfeiffer Vacuum Major Business

- 2.2.3 Pfeiffer Vacuum Mechanical Vacuum Pumps Product and Services
- 2.2.4 Pfeiffer Vacuum Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.2.5 Pfeiffer Vacuum Recent Developments/Updates
- 2.3 Flowserve SIHI
  - 2.3.1 Flowserve SIHI Details
  - 2.3.2 Flowserve SIHI Major Business
  - 2.3.3 Flowserve SIHI Mechanical Vacuum Pumps Product and Services
  - 2.3.4 Flowserve SIHI Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.3.5 Flowserve SIHI Recent Developments/Updates
- 2.4 Ebara
  - 2.4.1 Ebara Details
  - 2.4.2 Ebara Major Business
  - 2.4.3 Ebara Mechanical Vacuum Pumps Product and Services
  - 2.4.4 Ebara Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 Ebara Recent Developments/Updates
- 2.5 Busch Vacuum
  - 2.5.1 Busch Vacuum Details
  - 2.5.2 Busch Vacuum Major Business
  - 2.5.3 Busch Vacuum Mechanical Vacuum Pumps Product and Services
  - 2.5.4 Busch Vacuum Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 Busch Vacuum Recent Developments/Updates
- 2.6 Kashiyama
  - 2.6.1 Kashiyama Details
  - 2.6.2 Kashiyama Major Business
  - 2.6.3 Kashiyama Mechanical Vacuum Pumps Product and Services
  - 2.6.4 Kashiyama Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.6.5 Kashiyama Recent Developments/Updates
- 2.7 ULVAC
  - 2.7.1 ULVAC Details
  - 2.7.2 ULVAC Major Business
  - 2.7.3 ULVAC Mechanical Vacuum Pumps Product and Services
  - 2.7.4 ULVAC Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.7.5 ULVAC Recent Developments/Updates



## 2.8 Agilent

### 2.8.1 Agilent Details

### 2.8.2 Agilent Major Business

### 2.8.3 Agilent Mechanical Vacuum Pumps Product and Services

### 2.8.4 Agilent Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.8.5 Agilent Recent Developments/Updates

## 2.9 Gardner Denver

### 2.9.1 Gardner Denver Details

### 2.9.2 Gardner Denver Major Business

### 2.9.3 Gardner Denver Mechanical Vacuum Pumps Product and Services

### 2.9.4 Gardner Denver Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.9.5 Gardner Denver Recent Developments/Updates

## 2.10 Osaka Vacuum

### 2.10.1 Osaka Vacuum Details

### 2.10.2 Osaka Vacuum Major Business

### 2.10.3 Osaka Vacuum Mechanical Vacuum Pumps Product and Services

### 2.10.4 Osaka Vacuum Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.10.5 Osaka Vacuum Recent Developments/Updates

## 2.11 Hanbell Precise Machinery

### 2.11.1 Hanbell Precise Machinery Details

### 2.11.2 Hanbell Precise Machinery Major Business

### 2.11.3 Hanbell Precise Machinery Mechanical Vacuum Pumps Product and Services

### 2.11.4 Hanbell Precise Machinery Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.11.5 Hanbell Precise Machinery Recent Developments/Updates

## 2.12 Anest Iwata

### 2.12.1 Anest Iwata Details

### 2.12.2 Anest Iwata Major Business

### 2.12.3 Anest Iwata Mechanical Vacuum Pumps Product and Services

### 2.12.4 Anest Iwata Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.12.5 Anest Iwata Recent Developments/Updates

## 2.13 Gast (IDEX)

### 2.13.1 Gast (IDEX) Details

### 2.13.2 Gast (IDEX) Major Business

### 2.13.3 Gast (IDEX) Mechanical Vacuum Pumps Product and Services

2.13.4 Gast (IDEX) Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Gast (IDEX) Recent Developments/Updates

2.14 Labconco

2.14.1 Labconco Details

2.14.2 Labconco Major Business

2.14.3 Labconco Mechanical Vacuum Pumps Product and Services

2.14.4 Labconco Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.14.5 Labconco Recent Developments/Updates

2.15 Air Squared Inc

2.15.1 Air Squared Inc Details

2.15.2 Air Squared Inc Major Business

2.15.3 Air Squared Inc Mechanical Vacuum Pumps Product and Services

2.15.4 Air Squared Inc Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.15.5 Air Squared Inc Recent Developments/Updates

2.16 SKY Technology Development

2.16.1 SKY Technology Development Details

2.16.2 SKY Technology Development Major Business

2.16.3 SKY Technology Development Mechanical Vacuum Pumps Product and Services

2.16.4 SKY Technology Development Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.16.5 SKY Technology Development Recent Developments/Updates

2.17 Samson Pump

2.17.1 Samson Pump Details

2.17.2 Samson Pump Major Business

2.17.3 Samson Pump Mechanical Vacuum Pumps Product and Services

2.17.4 Samson Pump Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.17.5 Samson Pump Recent Developments/Updates

2.18 Becker Pumps

2.18.1 Becker Pumps Details

2.18.2 Becker Pumps Major Business

2.18.3 Becker Pumps Mechanical Vacuum Pumps Product and Services

2.18.4 Becker Pumps Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.18.5 Becker Pumps Recent Developments/Updates

## 2.19 Graham

### 2.19.1 Graham Details

### 2.19.2 Graham Major Business

### 2.19.3 Graham Mechanical Vacuum Pumps Product and Services

### 2.19.4 Graham Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.19.5 Graham Recent Developments/Updates

## 2.20 Shanghai Second Vacuum Pump Factory

### 2.20.1 Shanghai Second Vacuum Pump Factory Details

### 2.20.2 Shanghai Second Vacuum Pump Factory Major Business

### 2.20.3 Shanghai Second Vacuum Pump Factory Mechanical Vacuum Pumps Product and Services

### 2.20.4 Shanghai Second Vacuum Pump Factory Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.20.5 Shanghai Second Vacuum Pump Factory Recent Developments/Updates

## 2.21 Shandong Zhangqiu Blower

### 2.21.1 Shandong Zhangqiu Blower Details

### 2.21.2 Shandong Zhangqiu Blower Major Business

### 2.21.3 Shandong Zhangqiu Blower Mechanical Vacuum Pumps Product and Services

### 2.21.4 Shandong Zhangqiu Blower Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.21.5 Shandong Zhangqiu Blower Recent Developments/Updates

## 2.22 PPI Pumps

### 2.22.1 PPI Pumps Details

### 2.22.2 PPI Pumps Major Business

### 2.22.3 PPI Pumps Mechanical Vacuum Pumps Product and Services

### 2.22.4 PPI Pumps Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.22.5 PPI Pumps Recent Developments/Updates

## 2.23 Xiamen East Asia

### 2.23.1 Xiamen East Asia Details

### 2.23.2 Xiamen East Asia Major Business

### 2.23.3 Xiamen East Asia Mechanical Vacuum Pumps Product and Services

### 2.23.4 Xiamen East Asia Mechanical Vacuum Pumps Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.23.5 Xiamen East Asia Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: MECHANICAL VACUUM PUMPS BY MANUFACTURER**

- 3.1 Global Mechanical Vacuum Pumps Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Mechanical Vacuum Pumps Revenue by Manufacturer (2019-2024)
- 3.3 Global Mechanical Vacuum Pumps Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
  - 3.4.1 Producer Shipments of Mechanical Vacuum Pumps by Manufacturer Revenue (\$MM) and Market Share (%): 2023
  - 3.4.2 Top 3 Mechanical Vacuum Pumps Manufacturer Market Share in 2023
  - 3.4.2 Top 6 Mechanical Vacuum Pumps Manufacturer Market Share in 2023
- 3.5 Mechanical Vacuum Pumps Market: Overall Company Footprint Analysis
  - 3.5.1 Mechanical Vacuum Pumps Market: Region Footprint
  - 3.5.2 Mechanical Vacuum Pumps Market: Company Product Type Footprint
  - 3.5.3 Mechanical Vacuum Pumps Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Mechanical Vacuum Pumps Market Size by Region
  - 4.1.1 Global Mechanical Vacuum Pumps Sales Quantity by Region (2019-2030)
  - 4.1.2 Global Mechanical Vacuum Pumps Consumption Value by Region (2019-2030)
  - 4.1.3 Global Mechanical Vacuum Pumps Average Price by Region (2019-2030)
- 4.2 North America Mechanical Vacuum Pumps Consumption Value (2019-2030)
- 4.3 Europe Mechanical Vacuum Pumps Consumption Value (2019-2030)
- 4.4 Asia-Pacific Mechanical Vacuum Pumps Consumption Value (2019-2030)
- 4.5 South America Mechanical Vacuum Pumps Consumption Value (2019-2030)
- 4.6 Middle East and Africa Mechanical Vacuum Pumps Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Mechanical Vacuum Pumps Sales Quantity by Type (2019-2030)
- 5.2 Global Mechanical Vacuum Pumps Consumption Value by Type (2019-2030)
- 5.3 Global Mechanical Vacuum Pumps Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Mechanical Vacuum Pumps Sales Quantity by Application (2019-2030)
- 6.2 Global Mechanical Vacuum Pumps Consumption Value by Application (2019-2030)

6.3 Global Mechanical Vacuum Pumps Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

7.1 North America Mechanical Vacuum Pumps Sales Quantity by Type (2019-2030)

7.2 North America Mechanical Vacuum Pumps Sales Quantity by Application (2019-2030)

7.3 North America Mechanical Vacuum Pumps Market Size by Country

7.3.1 North America Mechanical Vacuum Pumps Sales Quantity by Country (2019-2030)

7.3.2 North America Mechanical Vacuum Pumps Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

8.1 Europe Mechanical Vacuum Pumps Sales Quantity by Type (2019-2030)

8.2 Europe Mechanical Vacuum Pumps Sales Quantity by Application (2019-2030)

8.3 Europe Mechanical Vacuum Pumps Market Size by Country

8.3.1 Europe Mechanical Vacuum Pumps Sales Quantity by Country (2019-2030)

8.3.2 Europe Mechanical Vacuum Pumps Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Mechanical Vacuum Pumps Market Size by Region

9.3.1 Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Mechanical Vacuum Pumps Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

- 9.3.5 Korea Market Size and Forecast (2019-2030)
- 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

- 10.1 South America Mechanical Vacuum Pumps Sales Quantity by Type (2019-2030)
- 10.2 South America Mechanical Vacuum Pumps Sales Quantity by Application (2019-2030)
- 10.3 South America Mechanical Vacuum Pumps Market Size by Country
  - 10.3.1 South America Mechanical Vacuum Pumps Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Mechanical Vacuum Pumps Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)
  - 10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Mechanical Vacuum Pumps Market Size by Country
  - 11.3.1 Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by Country (2019-2030)
  - 11.3.2 Middle East & Africa Mechanical Vacuum Pumps Consumption Value by Country (2019-2030)
  - 11.3.3 Turkey Market Size and Forecast (2019-2030)
  - 11.3.4 Egypt Market Size and Forecast (2019-2030)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
  - 11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

- 12.1 Mechanical Vacuum Pumps Market Drivers
- 12.2 Mechanical Vacuum Pumps Market Restraints
- 12.3 Mechanical Vacuum Pumps Trends Analysis

## 12.4 Porters Five Forces Analysis

- 12.4.1 Threat of New Entrants
- 12.4.2 Bargaining Power of Suppliers
- 12.4.3 Bargaining Power of Buyers
- 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Mechanical Vacuum Pumps and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Mechanical Vacuum Pumps
- 13.3 Mechanical Vacuum Pumps Production Process
- 13.4 Mechanical Vacuum Pumps Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Mechanical Vacuum Pumps Typical Distributors
- 14.3 Mechanical Vacuum Pumps Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Mechanical Vacuum Pumps Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Mechanical Vacuum Pumps Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Atlas Copco Basic Information, Manufacturing Base and Competitors

Table 4. Atlas Copco Major Business

Table 5. Atlas Copco Mechanical Vacuum Pumps Product and Services

Table 6. Atlas Copco Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Atlas Copco Recent Developments/Updates

Table 8. Pfeiffer Vacuum Basic Information, Manufacturing Base and Competitors

Table 9. Pfeiffer Vacuum Major Business

Table 10. Pfeiffer Vacuum Mechanical Vacuum Pumps Product and Services

Table 11. Pfeiffer Vacuum Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Pfeiffer Vacuum Recent Developments/Updates

Table 13. Flowserve SIHI Basic Information, Manufacturing Base and Competitors

Table 14. Flowserve SIHI Major Business

Table 15. Flowserve SIHI Mechanical Vacuum Pumps Product and Services

Table 16. Flowserve SIHI Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Flowserve SIHI Recent Developments/Updates

Table 18. Ebara Basic Information, Manufacturing Base and Competitors

Table 19. Ebara Major Business

Table 20. Ebara Mechanical Vacuum Pumps Product and Services

Table 21. Ebara Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Ebara Recent Developments/Updates

Table 23. Busch Vacuum Basic Information, Manufacturing Base and Competitors

Table 24. Busch Vacuum Major Business

Table 25. Busch Vacuum Mechanical Vacuum Pumps Product and Services

Table 26. Busch Vacuum Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share



(2019-2024)

Table 27. Busch Vacuum Recent Developments/Updates

Table 28. Kashiyama Basic Information, Manufacturing Base and Competitors

Table 29. Kashiyama Major Business

Table 30. Kashiyama Mechanical Vacuum Pumps Product and Services

Table 31. Kashiyama Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Kashiyama Recent Developments/Updates

Table 33. ULVAC Basic Information, Manufacturing Base and Competitors

Table 34. ULVAC Major Business

Table 35. ULVAC Mechanical Vacuum Pumps Product and Services

Table 36. ULVAC Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. ULVAC Recent Developments/Updates

Table 38. Agilent Basic Information, Manufacturing Base and Competitors

Table 39. Agilent Major Business

Table 40. Agilent Mechanical Vacuum Pumps Product and Services

Table 41. Agilent Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Agilent Recent Developments/Updates

Table 43. Gardner Denver Basic Information, Manufacturing Base and Competitors

Table 44. Gardner Denver Major Business

Table 45. Gardner Denver Mechanical Vacuum Pumps Product and Services

Table 46. Gardner Denver Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Gardner Denver Recent Developments/Updates

Table 48. Osaka Vacuum Basic Information, Manufacturing Base and Competitors

Table 49. Osaka Vacuum Major Business

Table 50. Osaka Vacuum Mechanical Vacuum Pumps Product and Services

Table 51. Osaka Vacuum Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Osaka Vacuum Recent Developments/Updates

Table 53. Hanbell Precise Machinery Basic Information, Manufacturing Base and Competitors

Table 54. Hanbell Precise Machinery Major Business

Table 55. Hanbell Precise Machinery Mechanical Vacuum Pumps Product and Services

Table 56. Hanbell Precise Machinery Mechanical Vacuum Pumps Sales Quantity (K

Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Hanbell Precise Machinery Recent Developments/Updates

Table 58. Anest Iwata Basic Information, Manufacturing Base and Competitors

Table 59. Anest Iwata Major Business

Table 60. Anest Iwata Mechanical Vacuum Pumps Product and Services

Table 61. Anest Iwata Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Anest Iwata Recent Developments/Updates

Table 63. Gast (IDEX) Basic Information, Manufacturing Base and Competitors

Table 64. Gast (IDEX) Major Business

Table 65. Gast (IDEX) Mechanical Vacuum Pumps Product and Services

Table 66. Gast (IDEX) Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Gast (IDEX) Recent Developments/Updates

Table 68. Labconco Basic Information, Manufacturing Base and Competitors

Table 69. Labconco Major Business

Table 70. Labconco Mechanical Vacuum Pumps Product and Services

Table 71. Labconco Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Labconco Recent Developments/Updates

Table 73. Air Squared Inc Basic Information, Manufacturing Base and Competitors

Table 74. Air Squared Inc Major Business

Table 75. Air Squared Inc Mechanical Vacuum Pumps Product and Services

Table 76. Air Squared Inc Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. Air Squared Inc Recent Developments/Updates

Table 78. SKY Technology Development Basic Information, Manufacturing Base and Competitors

Table 79. SKY Technology Development Major Business

Table 80. SKY Technology Development Mechanical Vacuum Pumps Product and Services

Table 81. SKY Technology Development Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. SKY Technology Development Recent Developments/Updates

Table 83. Samson Pump Basic Information, Manufacturing Base and Competitors

Table 84. Samson Pump Major Business

- Table 85. Samson Pump Mechanical Vacuum Pumps Product and Services
- Table 86. Samson Pump Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 87. Samson Pump Recent Developments/Updates
- Table 88. Becker Pumps Basic Information, Manufacturing Base and Competitors
- Table 89. Becker Pumps Major Business
- Table 90. Becker Pumps Mechanical Vacuum Pumps Product and Services
- Table 91. Becker Pumps Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 92. Becker Pumps Recent Developments/Updates
- Table 93. Graham Basic Information, Manufacturing Base and Competitors
- Table 94. Graham Major Business
- Table 95. Graham Mechanical Vacuum Pumps Product and Services
- Table 96. Graham Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 97. Graham Recent Developments/Updates
- Table 98. Shanghai Second Vacuum Pump Factory Basic Information, Manufacturing Base and Competitors
- Table 99. Shanghai Second Vacuum Pump Factory Major Business
- Table 100. Shanghai Second Vacuum Pump Factory Mechanical Vacuum Pumps Product and Services
- Table 101. Shanghai Second Vacuum Pump Factory Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 102. Shanghai Second Vacuum Pump Factory Recent Developments/Updates
- Table 103. Shandong Zhangqiu Blower Basic Information, Manufacturing Base and Competitors
- Table 104. Shandong Zhangqiu Blower Major Business
- Table 105. Shandong Zhangqiu Blower Mechanical Vacuum Pumps Product and Services
- Table 106. Shandong Zhangqiu Blower Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 107. Shandong Zhangqiu Blower Recent Developments/Updates
- Table 108. PPI Pumps Basic Information, Manufacturing Base and Competitors
- Table 109. PPI Pumps Major Business
- Table 110. PPI Pumps Mechanical Vacuum Pumps Product and Services
- Table 111. PPI Pumps Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 112. PPI Pumps Recent Developments/Updates

Table 113. Xiamen East Asia Basic Information, Manufacturing Base and Competitors

Table 114. Xiamen East Asia Major Business

Table 115. Xiamen East Asia Mechanical Vacuum Pumps Product and Services

Table 116. Xiamen East Asia Mechanical Vacuum Pumps Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 117. Xiamen East Asia Recent Developments/Updates

Table 118. Global Mechanical Vacuum Pumps Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 119. Global Mechanical Vacuum Pumps Revenue by Manufacturer (2019-2024) & (USD Million)

Table 120. Global Mechanical Vacuum Pumps Average Price by Manufacturer (2019-2024) & (US\$/Unit)

Table 121. Market Position of Manufacturers in Mechanical Vacuum Pumps, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 122. Head Office and Mechanical Vacuum Pumps Production Site of Key Manufacturer

Table 123. Mechanical Vacuum Pumps Market: Company Product Type Footprint

Table 124. Mechanical Vacuum Pumps Market: Company Product Application Footprint

Table 125. Mechanical Vacuum Pumps New Market Entrants and Barriers to Market Entry

Table 126. Mechanical Vacuum Pumps Mergers, Acquisition, Agreements, and Collaborations

Table 127. Global Mechanical Vacuum Pumps Sales Quantity by Region (2019-2024) & (K Units)

Table 128. Global Mechanical Vacuum Pumps Sales Quantity by Region (2025-2030) & (K Units)

Table 129. Global Mechanical Vacuum Pumps Consumption Value by Region (2019-2024) & (USD Million)

Table 130. Global Mechanical Vacuum Pumps Consumption Value by Region (2025-2030) & (USD Million)

Table 131. Global Mechanical Vacuum Pumps Average Price by Region (2019-2024) & (US\$/Unit)

Table 132. Global Mechanical Vacuum Pumps Average Price by Region (2025-2030) & (US\$/Unit)

Table 133. Global Mechanical Vacuum Pumps Sales Quantity by Type (2019-2024) & (K Units)

Table 134. Global Mechanical Vacuum Pumps Sales Quantity by Type (2025-2030) &

(K Units)

Table 135. Global Mechanical Vacuum Pumps Consumption Value by Type (2019-2024) & (USD Million)

Table 136. Global Mechanical Vacuum Pumps Consumption Value by Type (2025-2030) & (USD Million)

Table 137. Global Mechanical Vacuum Pumps Average Price by Type (2019-2024) & (US\$/Unit)

Table 138. Global Mechanical Vacuum Pumps Average Price by Type (2025-2030) & (US\$/Unit)

Table 139. Global Mechanical Vacuum Pumps Sales Quantity by Application (2019-2024) & (K Units)

Table 140. Global Mechanical Vacuum Pumps Sales Quantity by Application (2025-2030) & (K Units)

Table 141. Global Mechanical Vacuum Pumps Consumption Value by Application (2019-2024) & (USD Million)

Table 142. Global Mechanical Vacuum Pumps Consumption Value by Application (2025-2030) & (USD Million)

Table 143. Global Mechanical Vacuum Pumps Average Price by Application (2019-2024) & (US\$/Unit)

Table 144. Global Mechanical Vacuum Pumps Average Price by Application (2025-2030) & (US\$/Unit)

Table 145. North America Mechanical Vacuum Pumps Sales Quantity by Type (2019-2024) & (K Units)

Table 146. North America Mechanical Vacuum Pumps Sales Quantity by Type (2025-2030) & (K Units)

Table 147. North America Mechanical Vacuum Pumps Sales Quantity by Application (2019-2024) & (K Units)

Table 148. North America Mechanical Vacuum Pumps Sales Quantity by Application (2025-2030) & (K Units)

Table 149. North America Mechanical Vacuum Pumps Sales Quantity by Country (2019-2024) & (K Units)

Table 150. North America Mechanical Vacuum Pumps Sales Quantity by Country (2025-2030) & (K Units)

Table 151. North America Mechanical Vacuum Pumps Consumption Value by Country (2019-2024) & (USD Million)

Table 152. North America Mechanical Vacuum Pumps Consumption Value by Country (2025-2030) & (USD Million)

Table 153. Europe Mechanical Vacuum Pumps Sales Quantity by Type (2019-2024) & (K Units)

Table 154. Europe Mechanical Vacuum Pumps Sales Quantity by Type (2025-2030) & (K Units)

Table 155. Europe Mechanical Vacuum Pumps Sales Quantity by Application (2019-2024) & (K Units)

Table 156. Europe Mechanical Vacuum Pumps Sales Quantity by Application (2025-2030) & (K Units)

Table 157. Europe Mechanical Vacuum Pumps Sales Quantity by Country (2019-2024) & (K Units)

Table 158. Europe Mechanical Vacuum Pumps Sales Quantity by Country (2025-2030) & (K Units)

Table 159. Europe Mechanical Vacuum Pumps Consumption Value by Country (2019-2024) & (USD Million)

Table 160. Europe Mechanical Vacuum Pumps Consumption Value by Country (2025-2030) & (USD Million)

Table 161. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Type (2019-2024) & (K Units)

Table 162. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Type (2025-2030) & (K Units)

Table 163. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Application (2019-2024) & (K Units)

Table 164. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Application (2025-2030) & (K Units)

Table 165. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Region (2019-2024) & (K Units)

Table 166. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity by Region (2025-2030) & (K Units)

Table 167. Asia-Pacific Mechanical Vacuum Pumps Consumption Value by Region (2019-2024) & (USD Million)

Table 168. Asia-Pacific Mechanical Vacuum Pumps Consumption Value by Region (2025-2030) & (USD Million)

Table 169. South America Mechanical Vacuum Pumps Sales Quantity by Type (2019-2024) & (K Units)

Table 170. South America Mechanical Vacuum Pumps Sales Quantity by Type (2025-2030) & (K Units)

Table 171. South America Mechanical Vacuum Pumps Sales Quantity by Application (2019-2024) & (K Units)

Table 172. South America Mechanical Vacuum Pumps Sales Quantity by Application (2025-2030) & (K Units)

Table 173. South America Mechanical Vacuum Pumps Sales Quantity by Country

(2019-2024) & (K Units)

Table 174. South America Mechanical Vacuum Pumps Sales Quantity by Country  
(2025-2030) & (K Units)

Table 175. South America Mechanical Vacuum Pumps Consumption Value by Country  
(2019-2024) & (USD Million)

Table 176. South America Mechanical Vacuum Pumps Consumption Value by Country  
(2025-2030) & (USD Million)

Table 177. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by Type  
(2019-2024) & (K Units)

Table 178. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by Type  
(2025-2030) & (K Units)

Table 179. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by  
Application (2019-2024) & (K Units)

Table 180. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by  
Application (2025-2030) & (K Units)

Table 181. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by Region  
(2019-2024) & (K Units)

Table 182. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity by Region  
(2025-2030) & (K Units)

Table 183. Middle East & Africa Mechanical Vacuum Pumps Consumption Value by  
Region (2019-2024) & (USD Million)

Table 184. Middle East & Africa Mechanical Vacuum Pumps Consumption Value by  
Region (2025-2030) & (USD Million)

Table 185. Mechanical Vacuum Pumps Raw Material

Table 186. Key Manufacturers of Mechanical Vacuum Pumps Raw Materials

Table 187. Mechanical Vacuum Pumps Typical Distributors

Table 188. Mechanical Vacuum Pumps Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Mechanical Vacuum Pumps Picture
- Figure 2. Global Mechanical Vacuum Pumps Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Mechanical Vacuum Pumps Consumption Value Market Share by Type in 2023
- Figure 4. Scroll Pump Examples
- Figure 5. Roots Pump Examples
- Figure 6. Screw Pump Examples
- Figure 7. Claw Type Pump Examples
- Figure 8. Rotary Vane Pump Examples
- Figure 9. Others Examples
- Figure 10. Global Mechanical Vacuum Pumps Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 11. Global Mechanical Vacuum Pumps Consumption Value Market Share by Application in 2023
- Figure 12. Industrial & Manufacturing Examples
- Figure 13. Chemical Processing Examples
- Figure 14. Semiconductor & Electronics Examples
- Figure 15. Others Examples
- Figure 16. Global Mechanical Vacuum Pumps Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 17. Global Mechanical Vacuum Pumps Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 18. Global Mechanical Vacuum Pumps Sales Quantity (2019-2030) & (K Units)
- Figure 19. Global Mechanical Vacuum Pumps Average Price (2019-2030) & (US\$/Unit)
- Figure 20. Global Mechanical Vacuum Pumps Sales Quantity Market Share by Manufacturer in 2023
- Figure 21. Global Mechanical Vacuum Pumps Consumption Value Market Share by Manufacturer in 2023
- Figure 22. Producer Shipments of Mechanical Vacuum Pumps by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 23. Top 3 Mechanical Vacuum Pumps Manufacturer (Consumption Value) Market Share in 2023
- Figure 24. Top 6 Mechanical Vacuum Pumps Manufacturer (Consumption Value) Market Share in 2023



Figure 25. Global Mechanical Vacuum Pumps Sales Quantity Market Share by Region (2019-2030)

Figure 26. Global Mechanical Vacuum Pumps Consumption Value Market Share by Region (2019-2030)

Figure 27. North America Mechanical Vacuum Pumps Consumption Value (2019-2030) & (USD Million)

Figure 28. Europe Mechanical Vacuum Pumps Consumption Value (2019-2030) & (USD Million)

Figure 29. Asia-Pacific Mechanical Vacuum Pumps Consumption Value (2019-2030) & (USD Million)

Figure 30. South America Mechanical Vacuum Pumps Consumption Value (2019-2030) & (USD Million)

Figure 31. Middle East & Africa Mechanical Vacuum Pumps Consumption Value (2019-2030) & (USD Million)

Figure 32. Global Mechanical Vacuum Pumps Sales Quantity Market Share by Type (2019-2030)

Figure 33. Global Mechanical Vacuum Pumps Consumption Value Market Share by Type (2019-2030)

Figure 34. Global Mechanical Vacuum Pumps Average Price by Type (2019-2030) & (US\$/Unit)

Figure 35. Global Mechanical Vacuum Pumps Sales Quantity Market Share by Application (2019-2030)

Figure 36. Global Mechanical Vacuum Pumps Consumption Value Market Share by Application (2019-2030)

Figure 37. Global Mechanical Vacuum Pumps Average Price by Application (2019-2030) & (US\$/Unit)

Figure 38. North America Mechanical Vacuum Pumps Sales Quantity Market Share by Type (2019-2030)

Figure 39. North America Mechanical Vacuum Pumps Sales Quantity Market Share by Application (2019-2030)

Figure 40. North America Mechanical Vacuum Pumps Sales Quantity Market Share by Country (2019-2030)

Figure 41. North America Mechanical Vacuum Pumps Consumption Value Market Share by Country (2019-2030)

Figure 42. United States Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Canada Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 44. Mexico Mechanical Vacuum Pumps Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 45. Europe Mechanical Vacuum Pumps Sales Quantity Market Share by Type (2019-2030)

Figure 46. Europe Mechanical Vacuum Pumps Sales Quantity Market Share by Application (2019-2030)

Figure 47. Europe Mechanical Vacuum Pumps Sales Quantity Market Share by Country (2019-2030)

Figure 48. Europe Mechanical Vacuum Pumps Consumption Value Market Share by Country (2019-2030)

Figure 49. Germany Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. France Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. United Kingdom Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Russia Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Italy Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity Market Share by Type (2019-2030)

Figure 55. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity Market Share by Application (2019-2030)

Figure 56. Asia-Pacific Mechanical Vacuum Pumps Sales Quantity Market Share by Region (2019-2030)

Figure 57. Asia-Pacific Mechanical Vacuum Pumps Consumption Value Market Share by Region (2019-2030)

Figure 58. China Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Japan Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Korea Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. India Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Southeast Asia Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 63. Australia Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. South America Mechanical Vacuum Pumps Sales Quantity Market Share by Type (2019-2030)

Figure 65. South America Mechanical Vacuum Pumps Sales Quantity Market Share by Application (2019-2030)

Figure 66. South America Mechanical Vacuum Pumps Sales Quantity Market Share by Country (2019-2030)

Figure 67. South America Mechanical Vacuum Pumps Consumption Value Market Share by Country (2019-2030)

Figure 68. Brazil Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Argentina Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity Market Share by Type (2019-2030)

Figure 71. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity Market Share by Application (2019-2030)

Figure 72. Middle East & Africa Mechanical Vacuum Pumps Sales Quantity Market Share by Region (2019-2030)

Figure 73. Middle East & Africa Mechanical Vacuum Pumps Consumption Value Market Share by Region (2019-2030)

Figure 74. Turkey Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Egypt Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. Saudi Arabia Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 77. South Africa Mechanical Vacuum Pumps Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 78. Mechanical Vacuum Pumps Market Drivers

Figure 79. Mechanical Vacuum Pumps Market Restraints

Figure 80. Mechanical Vacuum Pumps Market Trends

Figure 81. Porters Five Forces Analysis

Figure 82. Manufacturing Cost Structure Analysis of Mechanical Vacuum Pumps in 2023

Figure 83. Manufacturing Process Analysis of Mechanical Vacuum Pumps

Figure 84. Mechanical Vacuum Pumps Industrial Chain

Figure 85. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 86. Direct Channel Pros & Cons

Figure 87. Indirect Channel Pros & Cons

Figure 88. Methodology

Figure 89. Research Process and Data Source

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