



Turbomolecular Pumps Industry Research Report 2026

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Description

This report studies the Turbomolecular Pumps market, which is a type of vacuum pump, superficially similar to a turbopump, used to obtain and maintain high vacuum. These pumps work on the principle that gas molecules can be given momentum in a desired direction by repeated collision with a moving solid surface. In a turbomolecular pump, a rapidly spinning fan rotor 'hits' gas molecules from the inlet of the pump towards the exhaust in order to create or maintain a vacuum.

Europe is the largest producer of Turbomolecular Pumps, with a market share about 25%, followed by North America and China, etc. Edwards, Pfeiffer, Shimadzu Corporation, Ebara Technologies and Agilent Turbomolecular are the top 5 manufacturers of industry, and they had about 55% combined market share.

Report Scope

This report quantifies the global Turbomolecular Pumps market in revenue (US\$ million) and, where applicable, sales volume (Units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/Units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Turbomolecular Pumps.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Turbomolecular Pumps Market by Company

Edwards

Pfeiffer

Osaka Vacuum, Ltd.

KYKY Vacuum

Ulvac

Shimadzu Corporation

Ebara Technologies, Inc

Leybold

Busch

Agilent Turbomolecular

Turbomolecular Pumps Segment by Type

Magnetically Suspended Type

Oil Lubricated Type

Others

Turbomolecular Pumps Segment by Application

Industrial Vacuum Processing

Nanotechnology Instruments

Analytical Instrumentation

Others

Turbomolecular Pumps Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Turbomolecular Pumps market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Turbomolecular Pumps and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Turbomolecular Pumps.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of Turbomolecular Pumps manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Turbomolecular Pumps by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Turbomolecular Pumps in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market

development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 Turbomolecular Pumps by Type
 - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Magnetically Suspended Type
 - 2.2.3 Oil Lubricated Type
 - 2.2.4 Others
- 2.3 Turbomolecular Pumps by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 Industrial Vacuum Processing
 - 2.3.3 Nanotechnology Instruments
 - 2.3.4 Analytical Instrumentation
 - 2.3.5 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Turbomolecular Pumps Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global Turbomolecular Pumps Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global Turbomolecular Pumps Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global Turbomolecular Pumps Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global Turbomolecular Pumps Production by Manufacturers (2021-2026)
- 3.2 Global Turbomolecular Pumps Production Value by Manufacturers (2021-2026)
- 3.3 Global Turbomolecular Pumps Average Price by Manufacturers (2021-2026)
- 3.4 Global Turbomolecular Pumps Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Turbomolecular Pumps Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Turbomolecular Pumps Manufacturers, Product Type & Application
- 3.7 Global Turbomolecular Pumps Manufacturers Established Date
- 3.8 Global Turbomolecular Pumps Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

- 4.1 Edwards
 - 4.1.1 Edwards Turbomolecular Pumps Company Information
 - 4.1.2 Edwards Turbomolecular Pumps Business Overview
 - 4.1.3 Edwards Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)
 - 4.1.4 Edwards Product Portfolio
 - 4.1.5 Edwards Recent Developments

4.2 Pfeiffer

4.2.1 Pfeiffer Turbomolecular Pumps Company Information

4.2.2 Pfeiffer Turbomolecular Pumps Business Overview

4.2.3 Pfeiffer Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.2.4 Pfeiffer Product Portfolio

4.2.5 Pfeiffer Recent Developments

4.3 Osaka Vacuum, Ltd.

4.3.1 Osaka Vacuum, Ltd. Turbomolecular Pumps Company Information

4.3.2 Osaka Vacuum, Ltd. Turbomolecular Pumps Business Overview

4.3.3 Osaka Vacuum, Ltd. Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.3.4 Osaka Vacuum, Ltd. Product Portfolio

4.3.5 Osaka Vacuum, Ltd. Recent Developments

4.4 KYKY Vacuum

4.4.1 KYKY Vacuum Turbomolecular Pumps Company Information

4.4.2 KYKY Vacuum Turbomolecular Pumps Business Overview

4.4.3 KYKY Vacuum Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.4.4 KYKY Vacuum Product Portfolio

4.4.5 KYKY Vacuum Recent Developments

4.5 Ulvac

4.5.1 Ulvac Turbomolecular Pumps Company Information

4.5.2 Ulvac Turbomolecular Pumps Business Overview

4.5.3 Ulvac Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.5.4 Ulvac Product Portfolio

4.5.5 Ulvac Recent Developments

4.6 Shimadzu Corporation

4.6.1 Shimadzu Corporation Turbomolecular Pumps Company Information

4.6.2 Shimadzu Corporation Turbomolecular Pumps Business Overview

4.6.3 Shimadzu Corporation Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.6.4 Shimadzu Corporation Product Portfolio

4.6.5 Shimadzu Corporation Recent Developments

4.7 Ebara Technologies, Inc

4.7.1 Ebara Technologies, Inc Turbomolecular Pumps Company Information

4.7.2 Ebara Technologies, Inc Turbomolecular Pumps Business Overview

4.7.3 Ebara Technologies, Inc Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.7.4 Ebara Technologies, Inc Product Portfolio

4.7.5 Ebara Technologies, Inc Recent Developments

4.8 Leybold

4.8.1 Leybold Turbomolecular Pumps Company Information

4.8.2 Leybold Turbomolecular Pumps Business Overview

4.8.3 Leybold Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.8.4 Leybold Product Portfolio

4.8.5 Leybold Recent Developments

4.9 Busch

4.9.1 Busch Turbomolecular Pumps Company Information

4.9.2 Busch Turbomolecular Pumps Business Overview

4.9.3 Busch Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.9.4 Busch Product Portfolio

4.9.5 Busch Recent Developments

4.10 Agilent Turbomolecular

4.10.1 Agilent Turbomolecular Turbomolecular Pumps Company Information

4.10.2 Agilent Turbomolecular Turbomolecular Pumps Business Overview

4.10.3 Agilent Turbomolecular Turbomolecular Pumps Production, Value and Gross Margin (2021-2026)

4.10.4 Agilent Turbomolecular Product Portfolio

4.10.5 Agilent Turbomolecular Recent Developments

5 Global Turbomolecular Pumps Production by Region

5.1 Global Turbomolecular Pumps Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.2 Global Turbomolecular Pumps Production by Region: 2021-2032

5.2.1 Global Turbomolecular Pumps Production by Region: 2021-2026

5.2.2 Global Turbomolecular Pumps Production Forecast by Region (2027-2032)

5.3 Global Turbomolecular Pumps Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

5.4 Global Turbomolecular Pumps Production Value by Region: 2021-2032

5.4.1 Global Turbomolecular Pumps Production Value by Region: 2021-2026

5.4.2 Global Turbomolecular Pumps Production Value Forecast by Region (2027-2032)

5.5 Global Turbomolecular Pumps Market Price Analysis by Region (2021-2026)

5.6 Global Turbomolecular Pumps Production and Value, YOY Growth

5.6.1 North America Turbomolecular Pumps Production Value Estimates and Forecasts (2021-2032)

5.6.2 Europe Turbomolecular Pumps Production Value Estimates and Forecasts (2021-2032)

5.6.3 China Turbomolecular Pumps Production Value Estimates and Forecasts (2021-2032)

5.6.4 Japan Turbomolecular Pumps Production Value Estimates and Forecasts (2021-2032)

6 Global Turbomolecular Pumps Consumption by Region

6.1 Global Turbomolecular Pumps Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

6.2 Global Turbomolecular Pumps Consumption by Region (2021-2032)

6.2.1 Global Turbomolecular Pumps Consumption by Region: 2021-2026

6.2.2 Global Turbomolecular Pumps Forecasted Consumption by Region (2027-2032)

6.3 North America

6.3.1 North America Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.3.2 North America Turbomolecular Pumps Consumption by Country (2021-2032)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

6.4 Europe

6.4.1 Europe Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.4.2 Europe Turbomolecular Pumps Consumption by Country (2021-2032)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

6.5 Asia Pacific

6.5.1 Asia Pacific Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.5.2 Asia Pacific Turbomolecular Pumps Consumption by Country (2021-2032)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.6.2 South America, Middle East & Africa Turbomolecular Pumps Consumption by Country (2021-2032)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

6.6.7 GCC Countries

7 Segment by Type

7.1 Global Turbomolecular Pumps Production by Type (2021-2032)

7.1.1 Global Turbomolecular Pumps Production by Type (2021-2032) & (Units)

7.1.2 Global Turbomolecular Pumps Production Market Share by Type (2021-2032)

7.2 Global Turbomolecular Pumps Production Value by Type (2021-2032)

7.2.1 Global Turbomolecular Pumps Production Value by Type (2021-2032) & (US\$ Million)

7.2.2 Global Turbomolecular Pumps Production Value Market Share by Type (2021-2032)

7.3 Global Turbomolecular Pumps Price by Type (2021-2032)

8 Segment by Application

8.1 Global Turbomolecular Pumps Production by Application (2021-2032)

8.1.1 Global Turbomolecular Pumps Production by Application (2021-2032) & (Units)

8.1.2 Global Turbomolecular Pumps Production Market Share by Application (2021-2032)

8.2 Global Turbomolecular Pumps Production Value by Application (2021-2032)

8.2.1 Global Turbomolecular Pumps Production Value by Application (2021-2032) & (US\$ Million)

8.2.2 Global Turbomolecular Pumps Production Value Market Share by Application (2021-2032)

8.3 Global Turbomolecular Pumps Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

9.1 Turbomolecular Pumps Value Chain Analysis

9.1.1 Turbomolecular Pumps Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Turbomolecular Pumps Production Mode & Process

9.2 Turbomolecular Pumps Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Turbomolecular Pumps Distributors

9.2.3 Turbomolecular Pumps Customers

10 Global Turbomolecular Pumps Analyzing Market Dynamics

10.1 Turbomolecular Pumps Industry Trends

10.2 Turbomolecular Pumps Industry Drivers

10.3 Turbomolecular Pumps Industry Opportunities and Challenges

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Turbomolecular Pumps Production by Manufacturers (Units) & (2021-2026)
- Table 6: Global Turbomolecular Pumps Production Market Share by Manufacturers
- Table 7: Global Turbomolecular Pumps Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global Turbomolecular Pumps Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global Turbomolecular Pumps Average Price (USD/Unit) of Manufacturers (2021-2026)
- Table 10: Global Turbomolecular Pumps Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Turbomolecular Pumps Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global Turbomolecular Pumps Manufacturers, Product Type & Application
- Table 13: Global Turbomolecular Pumps Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Turbomolecular Pumps by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: Edwards Company Information
- Table 18: Edwards Business Overview
- Table 19: Edwards Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 20: Edwards Turbomolecular Pumps Product Portfolio
- Table 21: Edwards Recent Development
- Table 22: Pfeiffer Company Information
- Table 23: Pfeiffer Business Overview
- Table 24: Pfeiffer Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 25: Pfeiffer Turbomolecular Pumps Product Portfolio
- Table 26: Pfeiffer Recent Development
- Table 27: Osaka Vacuum, Ltd. Company Information
- Table 28: Osaka Vacuum, Ltd. Business Overview
- Table 29: Osaka Vacuum, Ltd. Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 30: Osaka Vacuum, Ltd. Turbomolecular Pumps Product Portfolio
- Table 31: Osaka Vacuum, Ltd. Recent Development
- Table 32: KYKY Vacuum Company Information
- Table 33: KYKY Vacuum Business Overview
- Table 34: KYKY Vacuum Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 35: KYKY Vacuum Turbomolecular Pumps Product Portfolio
- Table 36: KYKY Vacuum Recent Development
- Table 37: Ulvac Company Information
- Table 38: Ulvac Business Overview
- Table 39: Ulvac Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 40: Ulvac Turbomolecular Pumps Product Portfolio
- Table 41: Ulvac Recent Development
- Table 42: Shimadzu Corporation Company Information
- Table 43: Shimadzu Corporation Business Overview
- Table 44: Shimadzu Corporation Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 45: Shimadzu Corporation Turbomolecular Pumps Product Portfolio
- Table 46: Shimadzu Corporation Recent Development
- Table 47: Ebara Technologies, Inc Company Information
- Table 48: Ebara Technologies, Inc Business Overview

- Table 49: Ebara Technologies, Inc Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 50: Ebara Technologies, Inc Turbomolecular Pumps Product Portfolio
- Table 51: Ebara Technologies, Inc Recent Development
- Table 52: Leybold Company Information
- Table 53: Leybold Business Overview
- Table 54: Leybold Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 55: Leybold Turbomolecular Pumps Product Portfolio
- Table 56: Leybold Recent Development
- Table 57: Busch Company Information
- Table 58: Busch Business Overview
- Table 59: Busch Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 60: Busch Turbomolecular Pumps Product Portfolio
- Table 61: Busch Recent Development
- Table 62: Agilent Turbomolecular Company Information
- Table 63: Agilent Turbomolecular Business Overview
- Table 64: Agilent Turbomolecular Turbomolecular Pumps Production (Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2021-2026)
- Table 65: Agilent Turbomolecular Turbomolecular Pumps Product Portfolio
- Table 66: Agilent Turbomolecular Recent Development
- Table 67: Global Turbomolecular Pumps Production Comparison by Region: 2021 VS 2025 VS 2032 (Units)
- Table 68: Global Turbomolecular Pumps Production by Region (2021-2026) & (Units)
- Table 69: Global Turbomolecular Pumps Production Market Share by Region (2021-2026)
- Table 70: Global Turbomolecular Pumps Production Forecast by Region (2027-2032) & (Units)
- Table 71: Global Turbomolecular Pumps Production Market Share Forecast by Region (2027-2032)
- Table 72: Global Turbomolecular Pumps Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 73: Global Turbomolecular Pumps Production Value by Region (2021-2026) & (US\$ Million)
- Table 74: Global Turbomolecular Pumps Production Value Market Share by Region (2021-2026)
- Table 75: Global Turbomolecular Pumps Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 76: Global Turbomolecular Pumps Market Average Price (USD/Unit) by Region (2021-2026)
- Table 77: Global Turbomolecular Pumps Market Average Price (USD/Unit) by Region (2027-2032)
- Table 78: Global Turbomolecular Pumps Consumption Comparison by Region: 2021 VS 2025 VS 2032 (Units)
- Table 79: Global Turbomolecular Pumps Consumption by Region (2021-2026) & (Units)
- Table 80: Global Turbomolecular Pumps Consumption Market Share by Region (2021-2026)
- Table 81: Global Turbomolecular Pumps Forecasted Consumption by Region (2027-2032) & (Units)
- Table 82: Global Turbomolecular Pumps Forecasted Consumption Market Share by Region (2027-2032)
- Table 83: North America Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Units)
- Table 84: North America Turbomolecular Pumps Consumption by Country (2021-2026) & (Units)
- Table 85: North America Turbomolecular Pumps Consumption by Country (2027-2032) & (Units)
- Table 86: Europe Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Units)
- Table 87: Europe Turbomolecular Pumps Consumption by Country (2021-2026) & (Units)
- Table 88: Europe Turbomolecular Pumps Consumption by Country (2027-2032) & (Units)
- Table 89: Asia Pacific Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Units)
- Table 90: Asia Pacific Turbomolecular Pumps Consumption by Country (2021-2026) & (Units)
- Table 91: Asia Pacific Turbomolecular Pumps Consumption by Country (2027-2032) & (Units)
- Table 92: South America, Middle East & Africa Turbomolecular Pumps Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (Units)
- Table 93: South America, Middle East & Africa Turbomolecular Pumps Consumption by Country (2021-2026) & (Units)
- Table 94: South America, Middle East & Africa Turbomolecular Pumps Consumption by Country (2027-2032) & (Units)
- Table 95: Global Turbomolecular Pumps Production by Type (2021-2026) & (Units)
- Table 96: Global Turbomolecular Pumps Production by Type (2027-2032) & (Units)
- Table 97: Global Turbomolecular Pumps Production Market Share by Type (2021-2026)
- Table 98: Global Turbomolecular Pumps Production Market Share by Type (2027-2032)
- Table 99: Global Turbomolecular Pumps Production Value by Type (2021-2026) & (US\$ Million)
- Table 100: Global Turbomolecular Pumps Production Value by Type (2027-2032) & (US\$ Million)
- Table 101: Global Turbomolecular Pumps Production Value Market Share by Type (2021-2026)
- Table 102: Global Turbomolecular Pumps Production Value Market Share by Type (2027-2032)
- Table 103: Global Turbomolecular Pumps Price by Type (2021-2026) & (USD/Unit)
- Table 104: Global Turbomolecular Pumps Price by Type (2027-2032) & (USD/Unit)
- Table 105: Global Turbomolecular Pumps Production by Application (2021-2026) & (Units)
- Table 106: Global Turbomolecular Pumps Production by Application (2027-2032) & (Units)
- Table 107: Global Turbomolecular Pumps Production Market Share by Application (2021-2026)
- Table 108: Global Turbomolecular Pumps Production Market Share by Application (2027-2032)

- Table 109: Global Turbomolecular Pumps Production Value by Application (2021-2026) & (US\$ Million)
- Table 110: Global Turbomolecular Pumps Production Value by Application (2027-2032) & (US\$ Million)
- Table 111: Global Turbomolecular Pumps Production Value Market Share by Application (2021-2026)
- Table 112: Global Turbomolecular Pumps Production Value Market Share by Application (2027-2032)
- Table 113: Global Turbomolecular Pumps Price by Application (2021-2026) & (USD/Unit)
- Table 114: Global Turbomolecular Pumps Price by Application (2027-2032) & (USD/Unit)
- Table 115: Key Raw Materials
- Table 116: Raw Materials Key Suppliers
- Table 117: Turbomolecular Pumps Distributors List
- Table 118: Turbomolecular Pumps Customers List
- Table 119: Turbomolecular Pumps Industry Trends
- Table 120: Turbomolecular Pumps Industry Drivers
- Table 121: Turbomolecular Pumps Industry Restraints
- Table 122: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: Turbomolecular Pumps Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Magnetically Suspended Type Product Image
- Figure 7: Oil Lubricated Type Product Image
- Figure 8: Others Product Image
- Figure 9: Industrial Vacuum Processing Product Image
- Figure 10: Nanotechnology Instruments Product Image
- Figure 11: Analytical Instrumentation Product Image
- Figure 12: Others Product Image
- Figure 13: Global Turbomolecular Pumps Production Value (US\$ Million), 2021 VS 2025 VS 2032
- Figure 14: Global Turbomolecular Pumps Production Value (2021-2032) & (US\$ Million)
- Figure 15: Global Turbomolecular Pumps Production Capacity (2021-2032) & (Units)
- Figure 16: Global Turbomolecular Pumps Production (2021-2032) & (Units)
- Figure 17: Global Turbomolecular Pumps Average Price (USD/Unit) & (2021-2032)
- Figure 18: Global Turbomolecular Pumps Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 19: Global Top 5 and 10 Turbomolecular Pumps Players Market Share by Production Value in 2025
- Figure 20: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 21: Global Turbomolecular Pumps Production Comparison by Region: 2021 VS 2025 VS 2032 (Units)
- Figure 22: Global Turbomolecular Pumps Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 23: Global Turbomolecular Pumps Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 24: Global Turbomolecular Pumps Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 25: North America Turbomolecular Pumps Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 26: Europe Turbomolecular Pumps Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 27: China Turbomolecular Pumps Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: Japan Turbomolecular Pumps Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 29: Global Turbomolecular Pumps Consumption Comparison by Region: 2021 VS 2025 VS 2032 (Units)
- Figure 30: Global Turbomolecular Pumps Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 31: North America Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 32: North America Turbomolecular Pumps Consumption Market Share by Country (2021-2032)
- Figure 33: United States Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 34: United States Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 35: Canada Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 36: Mexico Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 37: Europe Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 38: Europe Turbomolecular Pumps Consumption Market Share by Country (2021-2032)
- Figure 39: Germany Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 40: France Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 41: U.K. Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 42: Italy Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 43: Russia Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 44: Spain Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 45: Netherlands Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 46: Switzerland Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 47: Sweden Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)

- Figure 48: Poland Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 49: Asia Pacific Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 50: Asia Pacific Turbomolecular Pumps Consumption Market Share by Country (2021-2032)
- Figure 51: China Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 52: Japan Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 53: South Korea Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 54: India Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 55: Australia Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 56: Taiwan Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 57: Southeast Asia Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 58: South America, Middle East & Africa Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 59: South America, Middle East & Africa Turbomolecular Pumps Consumption Market Share by Country (2021-2032)
- Figure 60: Brazil Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 61: Argentina Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 62: Chile Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 63: Turkey Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 64: GCC Countries Turbomolecular Pumps Consumption and Growth Rate (2021-2032) & (Units)
- Figure 65: Global Turbomolecular Pumps Production Market Share by Type (2021-2032)
- Figure 66: Global Turbomolecular Pumps Production Value Market Share by Type (2021-2032)
- Figure 67: Global Turbomolecular Pumps Price (USD/Unit) by Type (2021-2032)
- Figure 68: Global Turbomolecular Pumps Production Market Share by Application (2021-2032)
- Figure 69: Global Turbomolecular Pumps Production Value Market Share by Application (2021-2032)
- Figure 70: Global Turbomolecular Pumps Price (USD/Unit) by Application (2021-2032)
- Figure 71: Turbomolecular Pumps Value Chain
- Figure 72: Turbomolecular Pumps Production Mode & Process
- Figure 73: Direct Comparison with Distribution Share
- Figure 74: Distributors Profiles
- Figure 75: Turbomolecular Pumps Industry Opportunities and Challenges