

# Global Vacuum Pump for Photovoltaic Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GA2103A96A1FEN.html>

Date: February 2023

Pages: 107

Price: US\$ 3,480.00 (Single User License)

ID: GA2103A96A1FEN

## Abstracts

The solar cell lamination process includes encapsulating the solar cells while connecting the front and rear protection sheets. For best results, dry vacuum pumps offer pumping speeds well suited for this application.

According to our (Global Info Research) latest study, the global Vacuum Pump for Photovoltaic market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Vacuum Pump for Photovoltaic market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Vacuum Pump for Photovoltaic market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Vacuum Pump for Photovoltaic market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices

(US\$/Unit), 2018-2029

Global Vacuum Pump for Photovoltaic market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Vacuum Pump for Photovoltaic market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Vacuum Pump for Photovoltaic

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Vacuum Pump for Photovoltaic market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Pfeiffer Vacuum, Edwards Vacuum, Ebara, Osaka Vacuum and Kashiya, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Vacuum Pump for Photovoltaic market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Screw Vacuum Pump

Roots Vacuum Pump

Others

#### Market segment by Application

Crystal Pulling Process

Cell Coating Process

Component Lamination

#### Major players covered

Pfeiffer Vacuum

Edwards Vacuum

Ebara

Osaka Vacuum

Kashiyama

COBRA Semicon

Shanghai Hanbell

Sky Technology Development Co.,Ltd

HokaidoVacuum

Ningbo Baosi

#### 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 Vacuum Pump for Photovoltaic product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vacuum Pump for Photovoltaic, with price, sales, revenue and global market share of Vacuum Pump for Photovoltaic from 2018 to 2023.

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

Chapter 4, the Vacuum Pump for Photovoltaic breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and Vacuum Pump for Photovoltaic market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Vacuum Pump for Photovoltaic.

Chapter 14 and 15, to describe Vacuum Pump for Photovoltaic sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Vacuum Pump for Photovoltaic
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Vacuum Pump for Photovoltaic Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Screw Vacuum Pump
  - 1.3.3 Roots Vacuum Pump
  - 1.3.4 Others
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Vacuum Pump for Photovoltaic Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Crystal Pulling Process
  - 1.4.3 Cell Coating Process
  - 1.4.4 Component Lamination
- 1.5 Global Vacuum Pump for Photovoltaic Market Size & Forecast
  - 1.5.1 Global Vacuum Pump for Photovoltaic Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Vacuum Pump for Photovoltaic Sales Quantity (2018-2029)
  - 1.5.3 Global Vacuum Pump for Photovoltaic Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Pfeiffer Vacuum
  - 2.1.1 Pfeiffer Vacuum Details
  - 2.1.2 Pfeiffer Vacuum Major Business
  - 2.1.3 Pfeiffer Vacuum Vacuum Pump for Photovoltaic Product and Services
  - 2.1.4 Pfeiffer Vacuum Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Pfeiffer Vacuum Recent Developments/Updates
- 2.2 Edwards Vacuum
  - 2.2.1 Edwards Vacuum Details
  - 2.2.2 Edwards Vacuum Major Business
  - 2.2.3 Edwards Vacuum Vacuum Pump for Photovoltaic Product and Services
  - 2.2.4 Edwards Vacuum Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.2.5 Edwards Vacuum Recent Developments/Updates
- 2.3 Ebara
  - 2.3.1 Ebara Details
  - 2.3.2 Ebara Major Business
  - 2.3.3 Ebara Vacuum Pump for Photovoltaic Product and Services
  - 2.3.4 Ebara Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.3.5 Ebara Recent Developments/Updates
- 2.4 Osaka Vacuum
  - 2.4.1 Osaka Vacuum Details
  - 2.4.2 Osaka Vacuum Major Business
  - 2.4.3 Osaka Vacuum Vacuum Pump for Photovoltaic Product and Services
  - 2.4.4 Osaka Vacuum Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.4.5 Osaka Vacuum Recent Developments/Updates
- 2.5 Kashiyama
  - 2.5.1 Kashiyama Details
  - 2.5.2 Kashiyama Major Business
  - 2.5.3 Kashiyama Vacuum Pump for Photovoltaic Product and Services
  - 2.5.4 Kashiyama Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.5.5 Kashiyama Recent Developments/Updates
- 2.6 COBRA Semicon
  - 2.6.1 COBRA Semicon Details
  - 2.6.2 COBRA Semicon Major Business
  - 2.6.3 COBRA Semicon Vacuum Pump for Photovoltaic Product and Services
  - 2.6.4 COBRA Semicon Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.6.5 COBRA Semicon Recent Developments/Updates
- 2.7 Shanghai Hanbell
  - 2.7.1 Shanghai Hanbell Details
  - 2.7.2 Shanghai Hanbell Major Business
  - 2.7.3 Shanghai Hanbell Vacuum Pump for Photovoltaic Product and Services
  - 2.7.4 Shanghai Hanbell Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.7.5 Shanghai Hanbell Recent Developments/Updates
- 2.8 Sky Technology Development Co.,Ltd
  - 2.8.1 Sky Technology Development Co.,Ltd Details
  - 2.8.2 Sky Technology Development Co.,Ltd Major Business

2.8.3 Sky Technology Development Co.,Ltd Vacuum Pump for Photovoltaic Product and Services

2.8.4 Sky Technology Development Co.,Ltd Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Sky Technology Development Co.,Ltd Recent Developments/Updates

2.9 HokaidoVacuum

2.9.1 HokaidoVacuum Details

2.9.2 HokaidoVacuum Major Business

2.9.3 HokaidoVacuum Vacuum Pump for Photovoltaic Product and Services

2.9.4 HokaidoVacuum Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 HokaidoVacuum Recent Developments/Updates

2.10 Ningbo Baosi

2.10.1 Ningbo Baosi Details

2.10.2 Ningbo Baosi Major Business

2.10.3 Ningbo Baosi Vacuum Pump for Photovoltaic Product and Services

2.10.4 Ningbo Baosi Vacuum Pump for Photovoltaic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Ningbo Baosi Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: VACUUM PUMP FOR PHOTOVOLTAIC BY MANUFACTURER**

3.1 Global Vacuum Pump for Photovoltaic Sales Quantity by Manufacturer (2018-2023)

3.2 Global Vacuum Pump for Photovoltaic Revenue by Manufacturer (2018-2023)

3.3 Global Vacuum Pump for Photovoltaic Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of Vacuum Pump for Photovoltaic by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 Vacuum Pump for Photovoltaic Manufacturer Market Share in 2022

3.4.2 Top 6 Vacuum Pump for Photovoltaic Manufacturer Market Share in 2022

3.5 Vacuum Pump for Photovoltaic Market: Overall Company Footprint Analysis

3.5.1 Vacuum Pump for Photovoltaic Market: Region Footprint

3.5.2 Vacuum Pump for Photovoltaic Market: Company Product Type Footprint

3.5.3 Vacuum Pump for Photovoltaic 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 Vacuum Pump for Photovoltaic Market Size by Region

4.1.1 Global Vacuum Pump for Photovoltaic Sales Quantity by Region (2018-2029)

4.1.2 Global Vacuum Pump for Photovoltaic Consumption Value by Region (2018-2029)

4.1.3 Global Vacuum Pump for Photovoltaic Average Price by Region (2018-2029)

4.2 North America Vacuum Pump for Photovoltaic Consumption Value (2018-2029)

4.3 Europe Vacuum Pump for Photovoltaic Consumption Value (2018-2029)

4.4 Asia-Pacific Vacuum Pump for Photovoltaic Consumption Value (2018-2029)

4.5 South America Vacuum Pump for Photovoltaic Consumption Value (2018-2029)

4.6 Middle East and Africa Vacuum Pump for Photovoltaic Consumption Value (2018-2029)

### 5 MARKET SEGMENT BY TYPE

5.1 Global Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2029)

5.2 Global Vacuum Pump for Photovoltaic Consumption Value by Type (2018-2029)

5.3 Global Vacuum Pump for Photovoltaic Average Price by Type (2018-2029)

### 6 MARKET SEGMENT BY APPLICATION

6.1 Global Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2029)

6.2 Global Vacuum Pump for Photovoltaic Consumption Value by Application (2018-2029)

6.3 Global Vacuum Pump for Photovoltaic Average Price by Application (2018-2029)

### 7 NORTH AMERICA

7.1 North America Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2029)

7.2 North America Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2029)

7.3 North America Vacuum Pump for Photovoltaic Market Size by Country

7.3.1 North America Vacuum Pump for Photovoltaic Sales Quantity by Country (2018-2029)

7.3.2 North America Vacuum Pump for Photovoltaic Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2029)

8.2 Europe Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2029)

8.3 Europe Vacuum Pump for Photovoltaic Market Size by Country

8.3.1 Europe Vacuum Pump for Photovoltaic Sales Quantity by Country (2018-2029)

8.3.2 Europe Vacuum Pump for Photovoltaic Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Vacuum Pump for Photovoltaic Market Size by Region

9.3.1 Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Vacuum Pump for Photovoltaic Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

10.1 South America Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2029)

10.2 South America Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2029)

10.3 South America Vacuum Pump for Photovoltaic Market Size by Country

10.3.1 South America Vacuum Pump for Photovoltaic Sales Quantity by Country (2018-2029)

10.3.2 South America Vacuum Pump for Photovoltaic Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Vacuum Pump for Photovoltaic Market Size by Country

11.3.1 Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Vacuum Pump for Photovoltaic Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

12.1 Vacuum Pump for Photovoltaic Market Drivers

12.2 Vacuum Pump for Photovoltaic Market Restraints

12.3 Vacuum Pump for Photovoltaic 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

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

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

- 13.1 Raw Material of Vacuum Pump for Photovoltaic and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Vacuum Pump for Photovoltaic
- 13.3 Vacuum Pump for Photovoltaic Production Process
- 13.4 Vacuum Pump for Photovoltaic Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Vacuum Pump for Photovoltaic Typical Distributors
- 14.3 Vacuum Pump for Photovoltaic 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 Vacuum Pump for Photovoltaic Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Vacuum Pump for Photovoltaic Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Pfeiffer Vacuum Basic Information, Manufacturing Base and Competitors

Table 4. Pfeiffer Vacuum Major Business

Table 5. Pfeiffer Vacuum Vacuum Pump for Photovoltaic Product and Services

Table 6. Pfeiffer Vacuum Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Pfeiffer Vacuum Recent Developments/Updates

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

Table 9. Edwards Vacuum Major Business

Table 10. Edwards Vacuum Vacuum Pump for Photovoltaic Product and Services

Table 11. Edwards Vacuum Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Edwards Vacuum Recent Developments/Updates

Table 13. Ebara Basic Information, Manufacturing Base and Competitors

Table 14. Ebara Major Business

Table 15. Ebara Vacuum Pump for Photovoltaic Product and Services

Table 16. Ebara Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Ebara Recent Developments/Updates

Table 18. Osaka Vacuum Basic Information, Manufacturing Base and Competitors

Table 19. Osaka Vacuum Major Business

Table 20. Osaka Vacuum Vacuum Pump for Photovoltaic Product and Services

Table 21. Osaka Vacuum Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Osaka Vacuum Recent Developments/Updates

Table 23. Kashiyama Basic Information, Manufacturing Base and Competitors

Table 24. Kashiyama Major Business

Table 25. Kashiyama Vacuum Pump for Photovoltaic Product and Services

Table 26. Kashiyama Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Kashiyama Recent Developments/Updates

Table 28. COBRA Semicon Basic Information, Manufacturing Base and Competitors

Table 29. COBRA Semicon Major Business

Table 30. COBRA Semicon Vacuum Pump for Photovoltaic Product and Services

Table 31. COBRA Semicon Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. COBRA Semicon Recent Developments/Updates

Table 33. Shanghai Hanbell Basic Information, Manufacturing Base and Competitors

Table 34. Shanghai Hanbell Major Business

Table 35. Shanghai Hanbell Vacuum Pump for Photovoltaic Product and Services

Table 36. Shanghai Hanbell Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Shanghai Hanbell Recent Developments/Updates

Table 38. Sky Technology Development Co.,Ltd Basic Information, Manufacturing Base and Competitors

Table 39. Sky Technology Development Co.,Ltd Major Business

Table 40. Sky Technology Development Co.,Ltd Vacuum Pump for Photovoltaic Product and Services

Table 41. Sky Technology Development Co.,Ltd Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Sky Technology Development Co.,Ltd Recent Developments/Updates

Table 43. HokaidoVacuum Basic Information, Manufacturing Base and Competitors

Table 44. HokaidoVacuum Major Business

Table 45. HokaidoVacuum Vacuum Pump for Photovoltaic Product and Services

Table 46. HokaidoVacuum Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. HokaidoVacuum Recent Developments/Updates

Table 48. Ningbo Baosi Basic Information, Manufacturing Base and Competitors

Table 49. Ningbo Baosi Major Business

Table 50. Ningbo Baosi Vacuum Pump for Photovoltaic Product and Services

Table 51. Ningbo Baosi Vacuum Pump for Photovoltaic Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Ningbo Baosi Recent Developments/Updates

Table 53. Global Vacuum Pump for Photovoltaic Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 54. Global Vacuum Pump for Photovoltaic Revenue by Manufacturer (2018-2023) & (USD Million)

Table 55. Global Vacuum Pump for Photovoltaic Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 56. Market Position of Manufacturers in Vacuum Pump for Photovoltaic, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 57. Head Office and Vacuum Pump for Photovoltaic Production Site of Key Manufacturer

Table 58. Vacuum Pump for Photovoltaic Market: Company Product Type Footprint

Table 59. Vacuum Pump for Photovoltaic Market: Company Product Application Footprint

Table 60. Vacuum Pump for Photovoltaic New Market Entrants and Barriers to Market Entry

Table 61. Vacuum Pump for Photovoltaic Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Vacuum Pump for Photovoltaic Sales Quantity by Region (2018-2023) & (K Units)

Table 63. Global Vacuum Pump for Photovoltaic Sales Quantity by Region (2024-2029) & (K Units)

Table 64. Global Vacuum Pump for Photovoltaic Consumption Value by Region (2018-2023) & (USD Million)

Table 65. Global Vacuum Pump for Photovoltaic Consumption Value by Region (2024-2029) & (USD Million)

Table 66. Global Vacuum Pump for Photovoltaic Average Price by Region (2018-2023) & (US\$/Unit)

Table 67. Global Vacuum Pump for Photovoltaic Average Price by Region (2024-2029) & (US\$/Unit)

Table 68. Global Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2023) & (K Units)

Table 69. Global Vacuum Pump for Photovoltaic Sales Quantity by Type (2024-2029) & (K Units)

Table 70. Global Vacuum Pump for Photovoltaic Consumption Value by Type (2018-2023) & (USD Million)

Table 71. Global Vacuum Pump for Photovoltaic Consumption Value by Type (2024-2029) & (USD Million)

Table 72. Global Vacuum Pump for Photovoltaic Average Price by Type (2018-2023) & (US\$/Unit)

Table 73. Global Vacuum Pump for Photovoltaic Average Price by Type (2024-2029) & (US\$/Unit)

Table 74. Global Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2023) & (K Units)

Table 75. Global Vacuum Pump for Photovoltaic Sales Quantity by Application (2024-2029) & (K Units)

Table 76. Global Vacuum Pump for Photovoltaic Consumption Value by Application (2018-2023) & (USD Million)

Table 77. Global Vacuum Pump for Photovoltaic Consumption Value by Application (2024-2029) & (USD Million)

Table 78. Global Vacuum Pump for Photovoltaic Average Price by Application (2018-2023) & (US\$/Unit)

Table 79. Global Vacuum Pump for Photovoltaic Average Price by Application (2024-2029) & (US\$/Unit)

Table 80. North America Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2023) & (K Units)

Table 81. North America Vacuum Pump for Photovoltaic Sales Quantity by Type (2024-2029) & (K Units)

Table 82. North America Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2023) & (K Units)

Table 83. North America Vacuum Pump for Photovoltaic Sales Quantity by Application (2024-2029) & (K Units)

Table 84. North America Vacuum Pump for Photovoltaic Sales Quantity by Country (2018-2023) & (K Units)

Table 85. North America Vacuum Pump for Photovoltaic Sales Quantity by Country (2024-2029) & (K Units)

Table 86. North America Vacuum Pump for Photovoltaic Consumption Value by Country (2018-2023) & (USD Million)

Table 87. North America Vacuum Pump for Photovoltaic Consumption Value by Country (2024-2029) & (USD Million)

Table 88. Europe Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2023) & (K Units)

Table 89. Europe Vacuum Pump for Photovoltaic Sales Quantity by Type (2024-2029) & (K Units)

Table 90. Europe Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2023) & (K Units)

Table 91. Europe Vacuum Pump for Photovoltaic Sales Quantity by Application (2024-2029) & (K Units)

Table 92. Europe Vacuum Pump for Photovoltaic Sales Quantity by Country



(2018-2023) & (K Units)

Table 93. Europe Vacuum Pump for Photovoltaic Sales Quantity by Country

(2024-2029) & (K Units)

Table 94. Europe Vacuum Pump for Photovoltaic Consumption Value by Country

(2018-2023) & (USD Million)

Table 95. Europe Vacuum Pump for Photovoltaic Consumption Value by Country

(2024-2029) & (USD Million)

Table 96. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Type

(2018-2023) & (K Units)

Table 97. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Type

(2024-2029) & (K Units)

Table 98. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Application

(2018-2023) & (K Units)

Table 99. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Application

(2024-2029) & (K Units)

Table 100. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Region

(2018-2023) & (K Units)

Table 101. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity by Region

(2024-2029) & (K Units)

Table 102. Asia-Pacific Vacuum Pump for Photovoltaic Consumption Value by Region

(2018-2023) & (USD Million)

Table 103. Asia-Pacific Vacuum Pump for Photovoltaic Consumption Value by Region

(2024-2029) & (USD Million)

Table 104. South America Vacuum Pump for Photovoltaic Sales Quantity by Type

(2018-2023) & (K Units)

Table 105. South America Vacuum Pump for Photovoltaic Sales Quantity by Type

(2024-2029) & (K Units)

Table 106. South America Vacuum Pump for Photovoltaic Sales Quantity by Application

(2018-2023) & (K Units)

Table 107. South America Vacuum Pump for Photovoltaic Sales Quantity by Application

(2024-2029) & (K Units)

Table 108. South America Vacuum Pump for Photovoltaic Sales Quantity by Country

(2018-2023) & (K Units)

Table 109. South America Vacuum Pump for Photovoltaic Sales Quantity by Country

(2024-2029) & (K Units)

Table 110. South America Vacuum Pump for Photovoltaic Consumption Value by Country (2018-2023) & (USD Million)

Table 111. South America Vacuum Pump for Photovoltaic Consumption Value by Country (2024-2029) & (USD Million)

Table 112. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Type (2018-2023) & (K Units)

Table 113. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Type (2024-2029) & (K Units)

Table 114. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Application (2018-2023) & (K Units)

Table 115. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Application (2024-2029) & (K Units)

Table 116. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Region (2018-2023) & (K Units)

Table 117. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity by Region (2024-2029) & (K Units)

Table 118. Middle East & Africa Vacuum Pump for Photovoltaic Consumption Value by Region (2018-2023) & (USD Million)

Table 119. Middle East & Africa Vacuum Pump for Photovoltaic Consumption Value by Region (2024-2029) & (USD Million)

Table 120. Vacuum Pump for Photovoltaic Raw Material

Table 121. Key Manufacturers of Vacuum Pump for Photovoltaic Raw Materials

Table 122. Vacuum Pump for Photovoltaic Typical Distributors

Table 123. Vacuum Pump for Photovoltaic Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Vacuum Pump for Photovoltaic Picture
- Figure 2. Global Vacuum Pump for Photovoltaic Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Vacuum Pump for Photovoltaic Consumption Value Market Share by Type in 2022
- Figure 4. Screw Vacuum Pump Examples
- Figure 5. Roots Vacuum Pump Examples
- Figure 6. Others Examples
- Figure 7. Global Vacuum Pump for Photovoltaic Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 8. Global Vacuum Pump for Photovoltaic Consumption Value Market Share by Application in 2022
- Figure 9. Crystal Pulling Process Examples
- Figure 10. Cell Coating Process Examples
- Figure 11. Component Lamination Examples
- Figure 12. Global Vacuum Pump for Photovoltaic Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 13. Global Vacuum Pump for Photovoltaic Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 14. Global Vacuum Pump for Photovoltaic Sales Quantity (2018-2029) & (K Units)
- Figure 15. Global Vacuum Pump for Photovoltaic Average Price (2018-2029) & (US\$/Unit)
- Figure 16. Global Vacuum Pump for Photovoltaic Sales Quantity Market Share by Manufacturer in 2022
- Figure 17. Global Vacuum Pump for Photovoltaic Consumption Value Market Share by Manufacturer in 2022
- Figure 18. Producer Shipments of Vacuum Pump for Photovoltaic by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 19. Top 3 Vacuum Pump for Photovoltaic Manufacturer (Consumption Value) Market Share in 2022
- Figure 20. Top 6 Vacuum Pump for Photovoltaic Manufacturer (Consumption Value) Market Share in 2022
- Figure 21. Global Vacuum Pump for Photovoltaic Sales Quantity Market Share by Region (2018-2029)

- Figure 22. Global Vacuum Pump for Photovoltaic Consumption Value Market Share by Region (2018-2029)
- Figure 23. North America Vacuum Pump for Photovoltaic Consumption Value (2018-2029) & (USD Million)
- Figure 24. Europe Vacuum Pump for Photovoltaic Consumption Value (2018-2029) & (USD Million)
- Figure 25. Asia-Pacific Vacuum Pump for Photovoltaic Consumption Value (2018-2029) & (USD Million)
- Figure 26. South America Vacuum Pump for Photovoltaic Consumption Value (2018-2029) & (USD Million)
- Figure 27. Middle East & Africa Vacuum Pump for Photovoltaic Consumption Value (2018-2029) & (USD Million)
- Figure 28. Global Vacuum Pump for Photovoltaic Sales Quantity Market Share by Type (2018-2029)
- Figure 29. Global Vacuum Pump for Photovoltaic Consumption Value Market Share by Type (2018-2029)
- Figure 30. Global Vacuum Pump for Photovoltaic Average Price by Type (2018-2029) & (US\$/Unit)
- Figure 31. Global Vacuum Pump for Photovoltaic Sales Quantity Market Share by Application (2018-2029)
- Figure 32. Global Vacuum Pump for Photovoltaic Consumption Value Market Share by Application (2018-2029)
- Figure 33. Global Vacuum Pump for Photovoltaic Average Price by Application (2018-2029) & (US\$/Unit)
- Figure 34. North America Vacuum Pump for Photovoltaic Sales Quantity Market Share by Type (2018-2029)
- Figure 35. North America Vacuum Pump for Photovoltaic Sales Quantity Market Share by Application (2018-2029)
- Figure 36. North America Vacuum Pump for Photovoltaic Sales Quantity Market Share by Country (2018-2029)
- Figure 37. North America Vacuum Pump for Photovoltaic Consumption Value Market Share by Country (2018-2029)
- Figure 38. United States Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 39. Canada Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 40. Mexico Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 41. Europe Vacuum Pump for Photovoltaic Sales Quantity Market Share by Type

(2018-2029)

Figure 42. Europe Vacuum Pump for Photovoltaic Sales Quantity Market Share by Application (2018-2029)

Figure 43. Europe Vacuum Pump for Photovoltaic Sales Quantity Market Share by Country (2018-2029)

Figure 44. Europe Vacuum Pump for Photovoltaic Consumption Value Market Share by Country (2018-2029)

Figure 45. Germany Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. France Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. United Kingdom Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Russia Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Italy Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity Market Share by Type (2018-2029)

Figure 51. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity Market Share by Application (2018-2029)

Figure 52. Asia-Pacific Vacuum Pump for Photovoltaic Sales Quantity Market Share by Region (2018-2029)

Figure 53. Asia-Pacific Vacuum Pump for Photovoltaic Consumption Value Market Share by Region (2018-2029)

Figure 54. China Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Japan Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Korea Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. India Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Southeast Asia Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Australia Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. South America Vacuum Pump for Photovoltaic Sales Quantity Market Share by Type (2018-2029)

- Figure 61. South America Vacuum Pump for Photovoltaic Sales Quantity Market Share by Application (2018-2029)
- Figure 62. South America Vacuum Pump for Photovoltaic Sales Quantity Market Share by Country (2018-2029)
- Figure 63. South America Vacuum Pump for Photovoltaic Consumption Value Market Share by Country (2018-2029)
- Figure 64. Brazil Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 65. Argentina Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 66. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity Market Share by Type (2018-2029)
- Figure 67. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity Market Share by Application (2018-2029)
- Figure 68. Middle East & Africa Vacuum Pump for Photovoltaic Sales Quantity Market Share by Region (2018-2029)
- Figure 69. Middle East & Africa Vacuum Pump for Photovoltaic Consumption Value Market Share by Region (2018-2029)
- Figure 70. Turkey Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 71. Egypt Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 72. Saudi Arabia Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 73. South Africa Vacuum Pump for Photovoltaic Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 74. Vacuum Pump for Photovoltaic Market Drivers
- Figure 75. Vacuum Pump for Photovoltaic Market Restraints
- Figure 76. Vacuum Pump for Photovoltaic Market Trends
- Figure 77. Porters Five Forces Analysis
- Figure 78. Manufacturing Cost Structure Analysis of Vacuum Pump for Photovoltaic in 2022
- Figure 79. Manufacturing Process Analysis of Vacuum Pump for Photovoltaic
- Figure 80. Vacuum Pump for Photovoltaic Industrial Chain
- Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 82. Direct Channel Pros & Cons
- Figure 83. Indirect Channel Pros & Cons
- Figure 84. Methodology
- Figure 85. Research Process and Data Source

## I would like to order

Product name: Global Vacuum Pump for Photovoltaic Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/GA2103A96A1FEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA2103A96A1FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

