

Global Cryogenic Pumps Market Growth 2025-2031

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Abstracts

The global Cryogenic Pumps market size is predicted to grow from US\$ 531 million in 2025 to US\$ 658 million in 2031; it is expected to grow at a CAGR of 3.6% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

A cryopump or a 'cryogenic pump' is a vacuum pump that traps gases and vapours by condensing them on a cold surface, but are only effective on some gases. The effectiveness depends on the freezing and boiling points of the gas relative to the cryopump's temperature. They are sometimes used to block particular contaminants, for example in front of a diffusion pump to trap backstreaming oil, or in front of a McLeod gauge to keep out water. In this function, they are called a cryotrap, waterpump or cold trap, even though the physical mechanism is the same as for a cryopump.

Cryopump is mainly classified into four types: ?1000std. liter, 1000-2000std. liter, 2000-4000std. liter, ?4000std. liter. Cryopump between 1000-2000std.liter are the most widely used type which takes up about 53% of the global total, followed by 2000-4000std. liter with share of about 27%.

LP Information, Inc. (LPI) ' newest research report, the "Cryogenic Pumps Industry Forecast" looks at past sales and reviews total world Cryogenic Pumps sales in 2024, providing a comprehensive analysis by region and market sector of projected Cryogenic Pumps sales for 2025 through 2031. With Cryogenic Pumps sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Cryogenic Pumps industry.

This Insight Report provides a comprehensive analysis of the global Cryogenic Pumps landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Cryogenic Pumps portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Cryogenic Pumps market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Cryogenic Pumps and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Cryogenic Pumps.

This report presents a comprehensive overview, market shares, and growth opportunities of Cryogenic Pumps market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Below 1000std. Liter

1000 to 2000std. Liter

20000 to 4000std. Liter

Above 4000std. Liter

Segmentation by Application:

Semiconductor Manufacturing

Vacuum Coating

Particle Accelerators

Sputter Deposition Systems

Others Applications

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

SHI Cryogenics Group

Ulvac

Brooks

Leybold

Trillium

PHPK Technologies

Vacree

Edwards Vacuum

CSIC Pride (Nanjing) Cryogenic Technology

Zhejiang Bwokai Electromechanical Technology

Suzhou Bama Superconductive Technology

Ultratorr Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Cryogenic Pumps market?

What factors are driving Cryogenic Pumps market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Cryogenic Pumps market opportunities vary by end market size?

How does Cryogenic Pumps break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Cryogenic Pumps Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Cryogenic Pumps by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Cryogenic Pumps by Country/Region, 2020, 2024 & 2031
- 2.2 Cryogenic Pumps Segment by Type
 - 2.2.1 Below 1000std. Liter
 - 2.2.2 1000 to 2000std. Liter
 - 2.2.3 20000 to 4000std. Liter
 - 2.2.4 Above 4000std. Liter
- 2.3 Cryogenic Pumps Sales by Type
 - 2.3.1 Global Cryogenic Pumps Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Cryogenic Pumps Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Cryogenic Pumps Sale Price by Type (2020-2025)
- 2.4 Cryogenic Pumps Segment by Application
 - 2.4.1 Semiconductor Manufacturing
 - 2.4.2 Vacuum Coating
 - 2.4.3 Particle Accelerators
 - 2.4.4 Sputter Deposition Systems
 - 2.4.5 Others Applications
- 2.5 Cryogenic Pumps Sales by Application
 - 2.5.1 Global Cryogenic Pumps Sale Market Share by Application (2020-2025)
 - 2.5.2 Global Cryogenic Pumps Revenue and Market Share by Application (2020-2025)

2.5.3 Global Cryogenic Pumps Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Cryogenic Pumps Breakdown Data by Company

3.1.1 Global Cryogenic Pumps Annual Sales by Company (2020-2025)

3.1.2 Global Cryogenic Pumps Sales Market Share by Company (2020-2025)

3.2 Global Cryogenic Pumps Annual Revenue by Company (2020-2025)

3.2.1 Global Cryogenic Pumps Revenue by Company (2020-2025)

3.2.2 Global Cryogenic Pumps Revenue Market Share by Company (2020-2025)

3.3 Global Cryogenic Pumps Sale Price by Company

3.4 Key Manufacturers Cryogenic Pumps Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Cryogenic Pumps Product Location Distribution

3.4.2 Players Cryogenic Pumps Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR CRYOGENIC PUMPS BY GEOGRAPHIC REGION

4.1 World Historic Cryogenic Pumps Market Size by Geographic Region (2020-2025)

4.1.1 Global Cryogenic Pumps Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Cryogenic Pumps Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Cryogenic Pumps Market Size by Country/Region (2020-2025)

4.2.1 Global Cryogenic Pumps Annual Sales by Country/Region (2020-2025)

4.2.2 Global Cryogenic Pumps Annual Revenue by Country/Region (2020-2025)

4.3 Americas Cryogenic Pumps Sales Growth

4.4 APAC Cryogenic Pumps Sales Growth

4.5 Europe Cryogenic Pumps Sales Growth

4.6 Middle East & Africa Cryogenic Pumps Sales Growth

5 AMERICAS

5.1 Americas Cryogenic Pumps Sales by Country

5.1.1 Americas Cryogenic Pumps Sales by Country (2020-2025)

- 5.1.2 Americas Cryogenic Pumps Revenue by Country (2020-2025)
- 5.2 Americas Cryogenic Pumps Sales by Type (2020-2025)
- 5.3 Americas Cryogenic Pumps Sales by Application (2020-2025)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Cryogenic Pumps Sales by Region
 - 6.1.1 APAC Cryogenic Pumps Sales by Region (2020-2025)
 - 6.1.2 APAC Cryogenic Pumps Revenue by Region (2020-2025)
- 6.2 APAC Cryogenic Pumps Sales by Type (2020-2025)
- 6.3 APAC Cryogenic Pumps Sales by Application (2020-2025)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Cryogenic Pumps by Country
 - 7.1.1 Europe Cryogenic Pumps Sales by Country (2020-2025)
 - 7.1.2 Europe Cryogenic Pumps Revenue by Country (2020-2025)
- 7.2 Europe Cryogenic Pumps Sales by Type (2020-2025)
- 7.3 Europe Cryogenic Pumps Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Cryogenic Pumps by Country

- 8.1.1 Middle East & Africa Cryogenic Pumps Sales by Country (2020-2025)
- 8.1.2 Middle East & Africa Cryogenic Pumps Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Cryogenic Pumps Sales by Type (2020-2025)
- 8.3 Middle East & Africa Cryogenic Pumps Sales by Application (2020-2025)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Cryogenic Pumps
- 10.3 Manufacturing Process Analysis of Cryogenic Pumps
- 10.4 Industry Chain Structure of Cryogenic Pumps

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Cryogenic Pumps Distributors
- 11.3 Cryogenic Pumps Customer

12 WORLD FORECAST REVIEW FOR CRYOGENIC PUMPS BY GEOGRAPHIC REGION

- 12.1 Global Cryogenic Pumps Market Size Forecast by Region
 - 12.1.1 Global Cryogenic Pumps Forecast by Region (2026-2031)
 - 12.1.2 Global Cryogenic Pumps Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Cryogenic Pumps Forecast by Type (2026-2031)

12.7 Global Cryogenic Pumps Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 SHI Cryogenics Group

13.1.1 SHI Cryogenics Group Company Information

13.1.2 SHI Cryogenics Group Cryogenic Pumps Product Portfolios and Specifications

13.1.3 SHI Cryogenics Group Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 SHI Cryogenics Group Main Business Overview

13.1.5 SHI Cryogenics Group Latest Developments

13.2 Ulvac

13.2.1 Ulvac Company Information

13.2.2 Ulvac Cryogenic Pumps Product Portfolios and Specifications

13.2.3 Ulvac Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 Ulvac Main Business Overview

13.2.5 Ulvac Latest Developments

13.3 Brooks

13.3.1 Brooks Company Information

13.3.2 Brooks Cryogenic Pumps Product Portfolios and Specifications

13.3.3 Brooks Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Brooks Main Business Overview

13.3.5 Brooks Latest Developments

13.4 Leybold

13.4.1 Leybold Company Information

13.4.2 Leybold Cryogenic Pumps Product Portfolios and Specifications

13.4.3 Leybold Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 Leybold Main Business Overview

13.4.5 Leybold Latest Developments

13.5 Trillium

13.5.1 Trillium Company Information

13.5.2 Trillium Cryogenic Pumps Product Portfolios and Specifications

13.5.3 Trillium Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.5.4 Trillium Main Business Overview
- 13.5.5 Trillium Latest Developments
- 13.6 PHPK Technologies
 - 13.6.1 PHPK Technologies Company Information
 - 13.6.2 PHPK Technologies Cryogenic Pumps Product Portfolios and Specifications
 - 13.6.3 PHPK Technologies Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 PHPK Technologies Main Business Overview
 - 13.6.5 PHPK Technologies Latest Developments
- 13.7 Vacree
 - 13.7.1 Vacree Company Information
 - 13.7.2 Vacree Cryogenic Pumps Product Portfolios and Specifications
 - 13.7.3 Vacree Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 Vacree Main Business Overview
 - 13.7.5 Vacree Latest Developments
- 13.8 Edwards Vacuum
 - 13.8.1 Edwards Vacuum Company Information
 - 13.8.2 Edwards Vacuum Cryogenic Pumps Product Portfolios and Specifications
 - 13.8.3 Edwards Vacuum Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 Edwards Vacuum Main Business Overview
 - 13.8.5 Edwards Vacuum Latest Developments
- 13.9 CSIC Pride (Nanjing) Cryogenic Technology
 - 13.9.1 CSIC Pride (Nanjing) Cryogenic Technology Company Information
 - 13.9.2 CSIC Pride (Nanjing) Cryogenic Technology Cryogenic Pumps Product Portfolios and Specifications
 - 13.9.3 CSIC Pride (Nanjing) Cryogenic Technology Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 CSIC Pride (Nanjing) Cryogenic Technology Main Business Overview
 - 13.9.5 CSIC Pride (Nanjing) Cryogenic Technology Latest Developments
- 13.10 Zhejiang Bwokai Electromechanical Technology
 - 13.10.1 Zhejiang Bwokai Electromechanical Technology Company Information
 - 13.10.2 Zhejiang Bwokai Electromechanical Technology Cryogenic Pumps Product Portfolios and Specifications
 - 13.10.3 Zhejiang Bwokai Electromechanical Technology Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Zhejiang Bwokai Electromechanical Technology Main Business Overview
 - 13.10.5 Zhejiang Bwokai Electromechanical Technology Latest Developments

13.11 Suzhou Bama Superconductive Technology

13.11.1 Suzhou Bama Superconductive Technology Company Information

13.11.2 Suzhou Bama Superconductive Technology Cryogenic Pumps Product Portfolios and Specifications

13.11.3 Suzhou Bama Superconductive Technology Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Suzhou Bama Superconductive Technology Main Business Overview

13.11.5 Suzhou Bama Superconductive Technology Latest Developments

13.12 Ultratorr Technology

13.12.1 Ultratorr Technology Company Information

13.12.2 Ultratorr Technology Cryogenic Pumps Product Portfolios and Specifications

13.12.3 Ultratorr Technology Cryogenic Pumps Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Ultratorr Technology Main Business Overview

13.12.5 Ultratorr Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Cryogenic Pumps Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Table 2. Cryogenic Pumps Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)
- Table 3. Major Players of Below 1000std. Liter
- Table 4. Major Players of 1000 to 2000std. Liter
- Table 5. Major Players of 20000 to 4000std. Liter
- Table 6. Major Players of Above 4000std. Liter
- Table 7. Global Cryogenic Pumps Sales by Type (2020-2025) & (Units)
- Table 8. Global Cryogenic Pumps Sales Market Share by Type (2020-2025)
- Table 9. Global Cryogenic Pumps Revenue by Type (2020-2025) & (\$ million)
- Table 10. Global Cryogenic Pumps Revenue Market Share by Type (2020-2025)
- Table 11. Global Cryogenic Pumps Sale Price by Type (2020-2025) & (K US\$/Unit)
- Table 12. Global Cryogenic Pumps Sale by Application (2020-2025) & (Units)
- Table 13. Global Cryogenic Pumps Sale Market Share by Application (2020-2025)
- Table 14. Global Cryogenic Pumps Revenue by Application (2020-2025) & (\$ million)
- Table 15. Global Cryogenic Pumps Revenue Market Share by Application (2020-2025)
- Table 16. Global Cryogenic Pumps Sale Price by Application (2020-2025) & (K US\$/Unit)
- Table 17. Global Cryogenic Pumps Sales by Company (2020-2025) & (Units)
- Table 18. Global Cryogenic Pumps Sales Market Share by Company (2020-2025)
- Table 19. Global Cryogenic Pumps Revenue by Company (2020-2025) & (\$ millions)
- Table 20. Global Cryogenic Pumps Revenue Market Share by Company (2020-2025)
- Table 21. Global Cryogenic Pumps Sale Price by Company (2020-2025) & (K US\$/Unit)
- Table 22. Key Manufacturers Cryogenic Pumps Producing Area Distribution and Sales Area
- Table 23. Players Cryogenic Pumps Products Offered
- Table 24. Cryogenic Pumps Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
- Table 25. New Products and Potential Entrants
- Table 26. Market M&A Activity & Strategy
- Table 27. Global Cryogenic Pumps Sales by Geographic Region (2020-2025) & (Units)
- Table 28. Global Cryogenic Pumps Sales Market Share Geographic Region (2020-2025)
- Table 29. Global Cryogenic Pumps Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 30. Global Cryogenic Pumps Revenue Market Share by Geographic Region (2020-2025)

Table 31. Global Cryogenic Pumps Sales by Country/Region (2020-2025) & (Units)

Table 32. Global Cryogenic Pumps Sales Market Share by Country/Region (2020-2025)

Table 33. Global Cryogenic Pumps Revenue by Country/Region (2020-2025) & (\$ millions)

Table 34. Global Cryogenic Pumps Revenue Market Share by Country/Region (2020-2025)

Table 35. Americas Cryogenic Pumps Sales by Country (2020-2025) & (Units)

Table 36. Americas Cryogenic Pumps Sales Market Share by Country (2020-2025)

Table 37. Americas Cryogenic Pumps Revenue by Country (2020-2025) & (\$ millions)

Table 38. Americas Cryogenic Pumps Sales by Type (2020-2025) & (Units)

Table 39. Americas Cryogenic Pumps Sales by Application (2020-2025) & (Units)

Table 40. APAC Cryogenic Pumps Sales by Region (2020-2025) & (Units)

Table 41. APAC Cryogenic Pumps Sales Market Share by Region (2020-2025)

Table 42. APAC Cryogenic Pumps Revenue by Region (2020-2025) & (\$ millions)

Table 43. APAC Cryogenic Pumps Sales by Type (2020-2025) & (Units)

Table 44. APAC Cryogenic Pumps Sales by Application (2020-2025) & (Units)

Table 45. Europe Cryogenic Pumps Sales by Country (2020-2025) & (Units)

Table 46. Europe Cryogenic Pumps Revenue by Country (2020-2025) & (\$ millions)

Table 47. Europe Cryogenic Pumps Sales by Type (2020-2025) & (Units)

Table 48. Europe Cryogenic Pumps Sales by Application (2020-2025) & (Units)

Table 49. Middle East & Africa Cryogenic Pumps Sales by Country (2020-2025) & (Units)

Table 50. Middle East & Africa Cryogenic Pumps Revenue Market Share by Country (2020-2025)

Table 51. Middle East & Africa Cryogenic Pumps Sales by Type (2020-2025) & (Units)

Table 52. Middle East & Africa Cryogenic Pumps Sales by Application (2020-2025) & (Units)

Table 53. Key Market Drivers & Growth Opportunities of Cryogenic Pumps

Table 54. Key Market Challenges & Risks of Cryogenic Pumps

Table 55. Key Industry Trends of Cryogenic Pumps

Table 56. Cryogenic Pumps Raw Material

Table 57. Key Suppliers of Raw Materials

Table 58. Cryogenic Pumps Distributors List

Table 59. Cryogenic Pumps Customer List

Table 60. Global Cryogenic Pumps Sales Forecast by Region (2026-2031) & (Units)

Table 61. Global Cryogenic Pumps Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 62. Americas Cryogenic Pumps Sales Forecast by Country (2026-2031) & (Units)

Table 63. Americas Cryogenic Pumps Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 64. APAC Cryogenic Pumps Sales Forecast by Region (2026-2031) & (Units)

Table 65. APAC Cryogenic Pumps Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 66. Europe Cryogenic Pumps Sales Forecast by Country (2026-2031) & (Units)

Table 67. Europe Cryogenic Pumps Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Middle East & Africa Cryogenic Pumps Sales Forecast by Country (2026-2031) & (Units)

Table 69. Middle East & Africa Cryogenic Pumps Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 70. Global Cryogenic Pumps Sales Forecast by Type (2026-2031) & (Units)

Table 71. Global Cryogenic Pumps Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 72. Global Cryogenic Pumps Sales Forecast by Application (2026-2031) & (Units)

Table 73. Global Cryogenic Pumps Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 74. SHI Cryogenics Group Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 75. SHI Cryogenics Group Cryogenic Pumps Product Portfolios and Specifications

Table 76. SHI Cryogenics Group Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 77. SHI Cryogenics Group Main Business

Table 78. SHI Cryogenics Group Latest Developments

Table 79. Ulvac Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 80. Ulvac Cryogenic Pumps Product Portfolios and Specifications

Table 81. Ulvac Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 82. Ulvac Main Business

Table 83. Ulvac Latest Developments

Table 84. Brooks Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 85. Brooks Cryogenic Pumps Product Portfolios and Specifications

Table 86. Brooks Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 87. Brooks Main Business

Table 88. Brooks Latest Developments

Table 89. Leybold Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 90. Leybold Cryogenic Pumps Product Portfolios and Specifications

Table 91. Leybold Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 92. Leybold Main Business

Table 93. Leybold Latest Developments

Table 94. Trillium Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 95. Trillium Cryogenic Pumps Product Portfolios and Specifications

Table 96. Trillium Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 97. Trillium Main Business

Table 98. Trillium Latest Developments

Table 99. PHPK Technologies Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 100. PHPK Technologies Cryogenic Pumps Product Portfolios and Specifications

Table 101. PHPK Technologies Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 102. PHPK Technologies Main Business

Table 103. PHPK Technologies Latest Developments

Table 104. Vacree Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 105. Vacree Cryogenic Pumps Product Portfolios and Specifications

Table 106. Vacree Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 107. Vacree Main Business

Table 108. Vacree Latest Developments

Table 109. Edwards Vacuum Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 110. Edwards Vacuum Cryogenic Pumps Product Portfolios and Specifications

Table 111. Edwards Vacuum Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 112. Edwards Vacuum Main Business

Table 113. Edwards Vacuum Latest Developments

Table 114. CSIC Pride (Nanjing) Cryogenic Technology Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 115. CSIC Pride (Nanjing) Cryogenic Technology Cryogenic Pumps Product Portfolios and Specifications

Table 116. CSIC Pride (Nanjing) Cryogenic Technology Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 117. CSIC Pride (Nanjing) Cryogenic Technology Main Business

Table 118. CSIC Pride (Nanjing) Cryogenic Technology Latest Developments

Table 119. Zhejiang Bwokai Electromechanical Technology Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 120. Zhejiang Bwokai Electromechanical Technology Cryogenic Pumps Product Portfolios and Specifications

Table 121. Zhejiang Bwokai Electromechanical Technology Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 122. Zhejiang Bwokai Electromechanical Technology Main Business

Table 123. Zhejiang Bwokai Electromechanical Technology Latest Developments

Table 124. Suzhou Bama Superconductive Technology Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 125. Suzhou Bama Superconductive Technology Cryogenic Pumps Product Portfolios and Specifications

Table 126. Suzhou Bama Superconductive Technology Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 127. Suzhou Bama Superconductive Technology Main Business

Table 128. Suzhou Bama Superconductive Technology Latest Developments

Table 129. Ultratorr Technology Basic Information, Cryogenic Pumps Manufacturing Base, Sales Area and Its Competitors

Table 130. Ultratorr Technology Cryogenic Pumps Product Portfolios and Specifications

Table 131. Ultratorr Technology Cryogenic Pumps Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2020-2025)

Table 132. Ultratorr Technology Main Business

Table 133. Ultratorr Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Cryogenic Pumps
- Figure 2. Cryogenic Pumps Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Cryogenic Pumps Sales Growth Rate 2020-2031 (Units)
- Figure 7. Global Cryogenic Pumps Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Cryogenic Pumps Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Cryogenic Pumps Sales Market Share by Country/Region (2024)
- Figure 10. Cryogenic Pumps Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Below 1000std. Liter
- Figure 12. Product Picture of 1000 to 2000std. Liter
- Figure 13. Product Picture of 20000 to 4000std. Liter
- Figure 14. Product Picture of Above 4000std. Liter
- Figure 15. Global Cryogenic Pumps Sales Market Share by Type in 2025
- Figure 16. Global Cryogenic Pumps Revenue Market Share by Type (2020-2025)
- Figure 17. Cryogenic Pumps Consumed in Semiconductor Manufacturing
- Figure 18. Global Cryogenic Pumps Market: Semiconductor Manufacturing (2020-2025) & (Units)
- Figure 19. Cryogenic Pumps Consumed in Vacuum Coating
- Figure 20. Global Cryogenic Pumps Market: Vacuum Coating (2020-2025) & (Units)
- Figure 21. Cryogenic Pumps Consumed in Particle Accelerators
- Figure 22. Global Cryogenic Pumps Market: Particle Accelerators (2020-2025) & (Units)
- Figure 23. Cryogenic Pumps Consumed in Sputter Deposition Systems
- Figure 24. Global Cryogenic Pumps Market: Sputter Deposition Systems (2020-2025) & (Units)
- Figure 25. Cryogenic Pumps Consumed in Others Applications
- Figure 26. Global Cryogenic Pumps Market: Others Applications (2020-2025) & (Units)
- Figure 27. Global Cryogenic Pumps Sale Market Share by Application (2024)
- Figure 28. Global Cryogenic Pumps Revenue Market Share by Application in 2025
- Figure 29. Cryogenic Pumps Sales by Company in 2025 (Units)
- Figure 30. Global Cryogenic Pumps Sales Market Share by Company in 2025
- Figure 31. Cryogenic Pumps Revenue by Company in 2025 (\$ millions)

Figure 32. Global Cryogenic Pumps Revenue Market Share by Company in 2025

Figure 33. Global Cryogenic Pumps Sales Market Share by Geographic Region (2020-2025)

Figure 34. Global Cryogenic Pumps Revenue Market Share by Geographic Region in 2025

Figure 35. Americas Cryogenic Pumps Sales 2020-2025 (Units)

Figure 36. Americas Cryogenic Pumps Revenue 2020-2025 (\$ millions)

Figure 37. APAC Cryogenic Pumps Sales 2020-2025 (Units)

Figure 38. APAC Cryogenic Pumps Revenue 2020-2025 (\$ millions)

Figure 39. Europe Cryogenic Pumps Sales 2020-2025 (Units)

Figure 40. Europe Cryogenic Pumps Revenue 2020-2025 (\$ millions)

Figure 41. Middle East & Africa Cryogenic Pumps Sales 2020-2025 (Units)

Figure 42. Middle East & Africa Cryogenic Pumps Revenue 2020-2025 (\$ millions)

Figure 43. Americas Cryogenic Pumps Sales Market Share by Country in 2025

Figure 44. Americas Cryogenic Pumps Revenue Market Share by Country (2020-2025)

Figure 45. Americas Cryogenic Pumps Sales Market Share by Type (2020-2025)

Figure 46. Americas Cryogenic Pumps Sales Market Share by Application (2020-2025)

Figure 47. United States Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 48. Canada Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 49. Mexico Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 50. Brazil Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 51. APAC Cryogenic Pumps Sales Market Share by Region in 2025

Figure 52. APAC Cryogenic Pumps Revenue Market Share by Region (2020-2025)

Figure 53. APAC Cryogenic Pumps Sales Market Share by Type (2020-2025)

Figure 54. APAC Cryogenic Pumps Sales Market Share by Application (2020-2025)

Figure 55. China Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 56. Japan Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 57. South Korea Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 58. Southeast Asia Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 59. India Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 60. Australia Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 61. China Taiwan Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 62. Europe Cryogenic Pumps Sales Market Share by Country in 2025

Figure 63. Europe Cryogenic Pumps Revenue Market Share by Country (2020-2025)

Figure 64. Europe Cryogenic Pumps Sales Market Share by Type (2020-2025)

Figure 65. Europe Cryogenic Pumps Sales Market Share by Application (2020-2025)

Figure 66. Germany Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 67. France Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

Figure 68. UK Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)

- Figure 69. Italy Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)
- Figure 70. Russia Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)
- Figure 71. Middle East & Africa Cryogenic Pumps Sales Market Share by Country (2020-2025)
- Figure 72. Middle East & Africa Cryogenic Pumps Sales Market Share by Type (2020-2025)
- Figure 73. Middle East & Africa Cryogenic Pumps Sales Market Share by Application (2020-2025)
- Figure 74. Egypt Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)
- Figure 75. South Africa Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)
- Figure 76. Israel Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)
- Figure 77. Turkey Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)
- Figure 78. GCC Countries Cryogenic Pumps Revenue Growth 2020-2025 (\$ millions)
- Figure 79. Manufacturing Cost Structure Analysis of Cryogenic Pumps in 2025
- Figure 80. Manufacturing Process Analysis of Cryogenic Pumps
- Figure 81. Industry Chain Structure of Cryogenic Pumps
- Figure 82. Channels of Distribution
- Figure 83. Global Cryogenic Pumps Sales Market Forecast by Region (2026-2031)
- Figure 84. Global Cryogenic Pumps Revenue Market Share Forecast by Region (2026-2031)
- Figure 85. Global Cryogenic Pumps Sales Market Share Forecast by Type (2026-2031)
- Figure 86. Global Cryogenic Pumps Revenue Market Share Forecast by Type (2026-2031)
- Figure 87. Global Cryogenic Pumps Sales Market Share Forecast by Application (2026-2031)
- Figure 88. Global Cryogenic Pumps Revenue Market Share Forecast by Application (2026-2031)

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