

# **Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Cryopump Market 2018, Forecast to 2023**

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## **Abstracts**

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.

### **Scope of the Report:**

This report focuses on the Cryopump in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. 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 in 2016, followed by 2000-4000std. liter with share of about 27%.

SHI Cryogenics Group, Ulvac, Brooks, Leybold, Trillium, PHPK Technologies and Vacree are the key producers in the global cryopump market. Top seven took up about 80% of the global production in 2016. Brooks, SHI Cryogenics Group, Leybold, Ulvac which have leading technology and market position, are wellknown suppliers around the world, and Vacree is the leading supplier in China with the total local share of about 6%. The worldwide market for Cryopump is expected to grow at a CAGR of roughly 3.5% over the next five years, will reach 530 million US\$ in 2023, from 430 million US\$ in 2017, according to a new GIR (Global Info Research) study.

## Market Segment by Manufacturers, this report covers

SHI Cryogenics Group

Ulvac

Brooks

Leybold

Trillium

PHPK Technologies

Vacree

Global Other

## Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

## Market Segment by Type, covers

?1000std. liter

1000-2000std. liter

2000-4000std. liter

?4000std. liter

Market Segment by Applications, can be divided into

Semiconductor Manufacturing

Vacuum Coating

Particle Accelerators

Sputter Deposition Systems

Other Applications

There are 15 Chapters to deeply display the global Cryopump market.

Chapter 1, to describe Cryopump Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Cryopump, with sales, revenue, and price of Cryopump, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Cryopump, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Cryopump market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Cryopump sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 Cryopump Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 ?1000std. liter
  - 1.2.2 1000-2000std. liter
  - 1.2.3 2000-4000std. liter
  - 1.2.4 ?4000std. liter
- 1.3 Market Analysis by Applications
  - 1.3.1 Semiconductor Manufacturing
  - 1.3.2 Vacuum Coating
  - 1.3.3 Particle Accelerators
  - 1.3.4 Sputter Deposition Systems
  - 1.3.5 Other Applications
- 1.4 Market Analysis by Regions
  - 1.4.1 North America (United States, Canada and Mexico)
    - 1.4.1.1 United States Market States and Outlook (2013-2023)
    - 1.4.1.2 Canada Market States and Outlook (2013-2023)
    - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
  - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
    - 1.4.2.1 Germany Market States and Outlook (2013-2023)
    - 1.4.2.2 France Market States and Outlook (2013-2023)
    - 1.4.2.3 UK Market States and Outlook (2013-2023)
    - 1.4.2.4 Russia Market States and Outlook (2013-2023)
    - 1.4.2.5 Italy Market States and Outlook (2013-2023)
  - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    - 1.4.3.1 China Market States and Outlook (2013-2023)
    - 1.4.3.2 Japan Market States and Outlook (2013-2023)
    - 1.4.3.3 Korea Market States and Outlook (2013-2023)
    - 1.4.3.4 India Market States and Outlook (2013-2023)
    - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
  - 1.4.4 South America, Middle East and Africa
    - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
    - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
    - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
    - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
    - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

## 1.5 Market Dynamics

### 1.5.1 Market Opportunities

### 1.5.2 Market Risk

### 1.5.3 Market Driving Force

## 2 MANUFACTURERS PROFILES

### 2.1 SHI Cryogenics Group

#### 2.1.1 Business Overview

##### 2.1.1.1 SHI Cryogenics Group Description

##### 2.1.1.2 SHI Cryogenics Group Headquarter, Main Business and Finance Overview

#### 2.1.2 SHI Cryogenics Group Cryopump Product Introduction

##### 2.1.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

##### 2.1.2.2 Cryopump Product Information

#### 2.1.3 SHI Cryogenics Group Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.1 SHI Cryogenics Group Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.2 Global SHI Cryogenics Group Cryopump Market Share in 2017

### 2.2 Ulvac

#### 2.2.1 Business Overview

##### 2.2.1.1 Ulvac Description

##### 2.2.1.2 Ulvac Headquarter, Main Business and Finance Overview

#### 2.2.2 Ulvac Cryopump Product Introduction

##### 2.2.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

##### 2.2.2.2 Cryopump Product Information

#### 2.2.3 Ulvac Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.1 Ulvac Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.2 Global Ulvac Cryopump Market Share in 2017

### 2.3 Brooks

#### 2.3.1 Business Overview

##### 2.3.1.1 Brooks Description

##### 2.3.1.2 Brooks Headquarter, Main Business and Finance Overview

#### 2.3.2 Brooks Cryopump Product Introduction

##### 2.3.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

##### 2.3.2.2 Cryopump Product Information

#### 2.3.3 Brooks Cryopump Sales, Price, Revenue, Gross Margin and Market Share

(2016-2017)

2.3.3.1 Brooks Cryopump Sales, Price, Revenue, Gross Margin and Market Share

(2016-2017)

2.3.3.2 Global Brooks Cryopump Market Share in 2017

2.4 Leybold

2.4.1 Business Overview

2.4.1.1 Leybold Description

2.4.1.2 Leybold Headquarter, Main Business and Finance Overview

2.4.2 Leybold Cryopump Product Introduction

2.4.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

2.4.2.2 Cryopump Product Information

2.4.3 Leybold Cryopump Sales, Price, Revenue, Gross Margin and Market Share

(2016-2017)

2.4.3.1 Leybold Cryopump Sales, Price, Revenue, Gross Margin and Market Share

(2016-2017)

2.4.3.2 Global Leybold Cryopump Market Share in 2017

2.5 Trillium

2.5.1 Business Overview

2.5.1.1 Trillium Description

2.5.1.2 Trillium Headquarter, Main Business and Finance Overview

2.5.2 Trillium Cryopump Product Introduction

2.5.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

2.5.2.2 Cryopump Product Information

2.5.3 Trillium Cryopump Sales, Price, Revenue, Gross Margin and Market Share

(2016-2017)

2.5.3.1 Trillium Cryopump Sales, Price, Revenue, Gross Margin and Market Share

(2016-2017)

2.5.3.2 Global Trillium Cryopump Market Share in 2017

2.6 PHPK Technologies

2.6.1 Business Overview

2.6.1.1 PHPK Technologies Description

2.6.1.2 PHPK Technologies Headquarter, Main Business and Finance Overview

2.6.2 PHPK Technologies Cryopump Product Introduction

2.6.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

2.6.2.2 Cryopump Product Information

2.6.3 PHPK Technologies Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 PHPK Technologies Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.3.2 Global PHPK Technologies Cryopump Market Share in 2017

### 2.7 Vacree

#### 2.7.1 Business Overview

##### 2.7.1.1 Vacree Description

##### 2.7.1.2 Vacree Headquarter, Main Business and Finance Overview

#### 2.7.2 Vacree Cryopump Product Introduction

##### 2.7.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

##### 2.7.2.2 Cryopump Product Information

#### 2.7.3 Vacree Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.7.3.1 Vacree Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.7.3.2 Global Vacree Cryopump Market Share in 2017

### 2.8 Global Other

#### 2.8.1 Business Overview

##### 2.8.1.1 Global Other Description

##### 2.8.1.2 Global Other Headquarter, Main Business and Finance Overview

#### 2.8.2 Global Other Cryopump Product Introduction

##### 2.8.2.1 Cryopump Production Bases, Sales Regions and Major Competitors

##### 2.8.2.2 Cryopump Product Information

#### 2.8.3 Global Other Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.8.3.1 Global Other Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.8.3.2 Global Global Other Cryopump Market Share in 2017

## 3 GLOBAL CRYOPUMP MARKET COMPETITION, BY MANUFACTURER

### 3.1 Global Cryopump Sales and Market Share by Manufacturer (2016-2017)

### 3.2 Global Cryopump Revenue and Market Share by Manufacturer (2016-2017)

### 3.3 Global Cryopump Price by Manufacturer (2016-2017)

### 3.4 Market Concentration Rate

#### 3.4.1 Top 3 Cryopump Manufacturer Market Share in 2017

#### 3.4.2 Top 5 Cryopump Manufacturer Market Share in 2017

### 3.5 Market Competition Trend

## 4 GLOBAL CRYOPUMP MARKET ANALYSIS BY REGIONS

### 4.1 Global Cryopump Sales, Revenue and Market Share by Regions

*Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Cryopump Market 2018, Fore...*



- 4.1.1 Global Cryopump Sales by Regions (2013-2018)
- 4.1.2 Global Cryopump Revenue by Regions (2013-2018)
- 4.2 North America Cryopump Sales, Revenue and Growth Rate (2013-2018)
- 4.3 Europe Cryopump Sales, Revenue and Growth Rate (2013-2018)
- 4.4 Asia-Pacific Cryopump Sales, Revenue and Growth Rate (2013-2018)
- 4.5 South America Cryopump Sales, Revenue and Growth Rate (2013-2018)
- 4.6 Middle East and Africa Cryopump Sales, Revenue and Growth Rate (2013-2018)

## **5 NORTH AMERICA CRYOPUMP BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 5.1 North America Cryopump Sales, Revenue and Market Share by Countries
  - 5.1.1 North America Cryopump Sales by Countries (2013-2018)
  - 5.1.2 North America Cryopump Revenue by Countries (2013-2018)
  - 5.1.3 United States Cryopump Sales and Growth Rate (2013-2018)
  - 5.1.4 Canada Cryopump Sales and Growth Rate (2013-2018)
  - 5.1.5 Mexico Cryopump Sales and Growth Rate (2013-2018)
- 5.2 North America Cryopump Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 5.2.1 North America Cryopump Sales by Manufacturers (2016-2017)
  - 5.2.2 North America Cryopump Revenue by Manufacturers (2016-2017)
- 5.3 North America Cryopump Sales, Revenue and Market Share by Type (2013-2018)
  - 5.3.1 North America Cryopump Sales and Sales Share by Type (2013-2018)
  - 5.3.2 North America Cryopump Revenue and Revenue Share by Type (2013-2018)
- 5.4 North America Cryopump Sales, Revenue and Market Share by Application (2013-2018)
  - 5.4.1 North America Cryopump Sales and Sales Share by Application (2013-2018)
  - 5.4.2 North America Cryopump Revenue and Revenue Share by Application (2013-2018)

## **6 EUROPE CRYOPUMP BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 6.1 Europe Cryopump Sales, Revenue and Market Share by Countries
  - 6.1.1 Europe Cryopump Sales by Countries (2013-2018)
  - 6.1.2 Europe Cryopump Revenue by Countries (2013-2018)
  - 6.1.3 Germany Cryopump Sales and Growth Rate (2013-2018)
  - 6.1.4 UK Cryopump Sales and Growth Rate (2013-2018)
  - 6.1.5 France Cryopump Sales and Growth Rate (2013-2018)



- 6.1.6 Russia Cryopump Sales and Growth Rate (2013-2018)
- 6.1.7 Italy Cryopump Sales and Growth Rate (2013-2018)
- 6.2 Europe Cryopump Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 6.2.1 Europe Cryopump Sales by Manufacturers (2016-2017)
  - 6.2.2 Europe Cryopump Revenue by Manufacturers (2016-2017)
- 6.3 Europe Cryopump Sales, Revenue and Market Share by Type (2013-2018)
  - 6.3.1 Europe Cryopump Sales and Sales Share by Type (2013-2018)
  - 6.3.2 Europe Cryopump Revenue and Revenue Share by Type (2013-2018)
- 6.4 Europe Cryopump Sales, Revenue and Market Share by Application (2013-2018)
  - 6.4.1 Europe Cryopump Sales and Sales Share by Application (2013-2018)
  - 6.4.2 Europe Cryopump Revenue and Revenue Share by Application (2013-2018)

## **7 ASIA-PACIFIC CRYOPUMP BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 7.1 Asia-Pacific Cryopump Sales, Revenue and Market Share by Countries
  - 7.1.1 Asia-Pacific Cryopump Sales by Countries (2013-2018)
  - 7.1.2 Asia-Pacific Cryopump Revenue by Countries (2013-2018)
  - 7.1.3 China Cryopump Sales and Growth Rate (2013-2018)
  - 7.1.4 Japan Cryopump Sales and Growth Rate (2013-2018)
  - 7.1.5 Korea Cryopump Sales and Growth Rate (2013-2018)
  - 7.1.6 India Cryopump Sales and Growth Rate (2013-2018)
  - 7.1.7 Southeast Asia Cryopump Sales and Growth Rate (2013-2018)
- 7.2 Asia-Pacific Cryopump Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 7.2.1 Asia-Pacific Cryopump Sales by Manufacturers (2016-2017)
  - 7.2.2 Asia-Pacific Cryopump Revenue by Manufacturers (2016-2017)
- 7.3 Asia-Pacific Cryopump Sales, Revenue and Market Share by Type (2013-2018)
  - 7.3.1 Asia-Pacific Cryopump Sales and Sales Share by Type (2013-2018)
  - 7.3.2 Asia-Pacific Cryopump Revenue and Revenue Share by Type (2013-2018)
- 7.4 Asia-Pacific Cryopump Sales, Revenue and Market Share by Application (2013-2018)
  - 7.4.1 Asia-Pacific Cryopump Sales and Sales Share by Application (2013-2018)
  - 7.4.2 Asia-Pacific Cryopump Revenue and Revenue Share by Application (2013-2018)

## **8 SOUTH AMERICA CRYOPUMP BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 8.1 South America Cryopump Sales, Revenue and Market Share by Countries
  - 8.1.1 South America Cryopump Sales by Countries (2013-2018)

- 8.1.2 South America Cryopump Revenue by Countries (2013-2018)
- 8.1.3 Brazil Cryopump Sales and Growth Rate (2013-2018)
- 8.1.4 Argentina Cryopump Sales and Growth Rate (2013-2018)
- 8.1.5 Colombia Cryopump Sales and Growth Rate (2013-2018)
- 8.2 South America Cryopump Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 8.2.1 South America Cryopump Sales by Manufacturers (2016-2017)
  - 8.2.2 South America Cryopump Revenue by Manufacturers (2016-2017)
- 8.3 South America Cryopump Sales, Revenue and Market Share by Type (2013-2018)
  - 8.3.1 South America Cryopump Sales and Sales Share by Type (2013-2018)
  - 8.3.2 South America Cryopump Revenue and Revenue Share by Type (2013-2018)
- 8.4 South America Cryopump Sales, Revenue and Market Share by Application (2013-2018)
  - 8.4.1 South America Cryopump Sales and Sales Share by Application (2013-2018)
  - 8.4.2 South America Cryopump Revenue and Revenue Share by Application (2013-2018)

## **9 MIDDLE EAST AND AFRICA CRYOPUMP BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 9.1 Middle East and Africa Cryopump Sales, Revenue and Market Share by Countries
  - 9.1.1 Middle East and Africa Cryopump Sales by Countries (2013-2018)
  - 9.1.2 Middle East and Africa Cryopump Revenue by Countries (2013-2018)
  - 9.1.3 Saudi Arabia Cryopump Sales and Growth Rate (2013-2018)
  - 9.1.4 UAE Cryopump Sales and Growth Rate (2013-2018)
  - 9.1.5 Egypt Cryopump Sales and Growth Rate (2013-2018)
  - 9.1.6 Nigeria Cryopump Sales and Growth Rate (2013-2018)
  - 9.1.7 South Africa Cryopump Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa Cryopump Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 9.2.1 Middle East and Africa Cryopump Sales by Manufacturers (2016-2017)
  - 9.2.2 Middle East and Africa Cryopump Revenue by Manufacturers (2016-2017)
- 9.3 Middle East and Africa Cryopump Sales, Revenue and Market Share by Type (2013-2018)
  - 9.3.1 Middle East and Africa Cryopump Sales and Sales Share by Type (2013-2018)
  - 9.3.1 Middle East and Africa Cryopump Revenue and Revenue Share by Type (2013-2018)
- 9.4 Middle East and Africa Cryopump Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Cryopump Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Cryopump Revenue and Revenue Share by Application (2013-2018)

## **10 GLOBAL CRYOPUMP MARKET SEGMENT BY TYPE**

10.1 Global Cryopump Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Cryopump Sales and Market Share by Type (2013-2018)

10.1.2 Global Cryopump Revenue and Market Share by Type (2013-2018)

10.2 ?1000std. liter Sales Growth and Price

10.2.1 Global ?1000std. liter Sales Growth (2013-2018)

10.2.2 Global ?1000std. liter Price (2013-2018)

10.3 1000-2000std. liter Sales Growth and Price

10.3.1 Global 1000-2000std. liter Sales Growth (2013-2018)

10.3.2 Global 1000-2000std. liter Price (2013-2018)

10.4 2000-4000std. liter Sales Growth and Price

10.4.1 Global 2000-4000std. liter Sales Growth (2013-2018)

10.4.2 Global 2000-4000std. liter Price (2013-2018)

10.5 ?4000std. liter Sales Growth and Price

10.5.1 Global ?4000std. liter Sales Growth (2013-2018)

10.5.2 Global ?4000std. liter Price (2013-2018)

## **11 GLOBAL CRYOPUMP MARKET SEGMENT BY APPLICATION**

11.1 Global Cryopump Sales Market Share by Application (2013-2018)

11.2 Semiconductor Manufacturing Sales Growth (2013-2018)

11.3 Vacuum Coating Sales Growth (2013-2018)

11.4 Particle Accelerators Sales Growth (2013-2018)

11.5 Sputter Deposition Systems Sales Growth (2013-2018)

11.6 Other Applications Sales Growth (2013-2018)

## **12 CRYOPUMP MARKET FORECAST (2018-2023)**

12.1 Global Cryopump Sales, Revenue and Growth Rate (2018-2023)

12.2 Cryopump Market Forecast by Regions (2018-2023)

12.2.1 North America Cryopump Market Forecast (2018-2023)

12.2.2 Europe Cryopump Market Forecast (2018-2023)

12.2.3 Asia-Pacific Cryopump Market Forecast (2018-2023)

- 12.2.4 South America Cryopump Market Forecast (2018-2023)
- 12.2.5 Middle East and Africa Cryopump Market Forecast (2018-2023)
- 12.3 Cryopump Market Forecast by Type (2018-2023)
  - 12.3.1 Global Cryopump Sales Forecast by Type (2018-2023)
  - 12.3.2 Global Cryopump Market Share Forecast by Type (2018-2023)
- 12.4 Cryopump Market Forecast by Application (2018-2023)
  - 12.4.1 Global Cryopump Sales Forecast by Application (2018-2023)
  - 12.4.2 Global Cryopump Market Share Forecast by Application (2018-2023)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

- 13.1 Sales Channel
  - 13.1.1 Direct Marketing
  - 13.1.2 Indirect Marketing
  - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

- 15.1 Methodology
- 15.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Cryopump Picture

Table Product Specifications of Cryopump

Figure Global Cryopump CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023  
(USD Million)

Figure Global Cryopump CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023  
(Sales)

Figure Global Sales Market Share of Cryopump by Types in 2017

Figure ?1000std. liter Picture

Table Major Manufacturers of ?1000std. liter

Figure 1000-2000std. liter Picture

Table Major Manufacturers of 1000-2000std. liter

Figure 2000-4000std. liter Picture

Table Major Manufacturers of 2000-4000std. liter

Figure ?4000std. liter Picture

Table Major Manufacturers of ?4000std. liter

Figure Cryopump Sales Market Share by Applications in 2017

Figure Semiconductor Manufacturing Picture

Figure Vacuum Coating Picture

Figure Particle Accelerators Picture

Figure Sputter Deposition Systems Picture

Figure Other Applications Picture

Figure United States Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure France Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure UK Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure China Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure India Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil Cryopump Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Cryopump Revenue (Value) and Growth Rate (2013-2023)  
Figure Saudi Arabia Cryopump Revenue (Value) and Growth Rate (2013-2023)  
Figure South Africa Cryopump Revenue (Value) and Growth Rate (2013-2023)  
Figure Nigeria Cryopump Revenue (Value) and Growth Rate (2013-2023)  
Table SHI Cryogenics Group Headquarter, Established, Main Business and Finance Overview (2017)  
Table SHI Cryogenics Group Cryopump Production Bases, Sales Regions and Major Competitors  
Table SHI Cryogenics Group Cryopump Product  
Table SHI Cryogenics Group Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global SHI Cryogenics Group Cryopump Sales Market Share in 2017  
Figure Global SHI Cryogenics Group Cryopump Revenue Market Share in 2017  
Table Ulvac Headquarter, Established, Main Business and Finance Overview (2017)  
Table Ulvac Cryopump Production Bases, Sales Regions and Major Competitors  
Table Ulvac Cryopump Product  
Table Ulvac Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global Ulvac Cryopump Sales Market Share in 2017  
Figure Global Ulvac Cryopump Revenue Market Share in 2017  
Table Brooks Headquarter, Established, Main Business and Finance Overview (2017)  
Table Brooks Cryopump Production Bases, Sales Regions and Major Competitors  
Table Brooks Cryopump Product  
Table Brooks Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global Brooks Cryopump Sales Market Share in 2017  
Figure Global Brooks Cryopump Revenue Market Share in 2017  
Table Leybold Headquarter, Established, Main Business and Finance Overview (2017)  
Table Leybold Cryopump Production Bases, Sales Regions and Major Competitors  
Table Leybold Cryopump Product  
Table Leybold Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global Leybold Cryopump Sales Market Share in 2017  
Figure Global Leybold Cryopump Revenue Market Share in 2017  
Table Trillium Headquarter, Established, Main Business and Finance Overview (2017)  
Table Trillium Cryopump Production Bases, Sales Regions and Major Competitors  
Table Trillium Cryopump Product  
Table Trillium Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)



Figure Global Trillium Cryopump Sales Market Share in 2017

Figure Global Trillium Cryopump Revenue Market Share in 2017

Table PHPK Technologies Headquarter, Established, Main Business and Finance Overview (2017)

Table PHPK Technologies Cryopump Production Bases, Sales Regions and Major Competitors

Table PHPK Technologies Cryopump Product

Table PHPK Technologies Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global PHPK Technologies Cryopump Sales Market Share in 2017

Figure Global PHPK Technologies Cryopump Revenue Market Share in 2017

Table Vacree Headquarter, Established, Main Business and Finance Overview (2017)

Table Vacree Cryopump Production Bases, Sales Regions and Major Competitors

Table Vacree Cryopump Product

Table Vacree Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Vacree Cryopump Sales Market Share in 2017

Figure Global Vacree Cryopump Revenue Market Share in 2017

Table Global Other Headquarter, Established, Main Business and Finance Overview (2017)

Table Global Other Cryopump Production Bases, Sales Regions and Major Competitors

Table Global Other Cryopump Product

Table Global Other Cryopump Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Global Other Cryopump Sales Market Share in 2017

Figure Global Global Other Cryopump Revenue Market Share in 2017

Table Global Cryopump Sales by Manufacturer (2016-2017)

Figure Global Cryopump Sales Market Share by Manufacturer in 2016

Figure Global Cryopump Sales Market Share by Manufacturer in 2017

Table Global Cryopump Revenue by Manufacturer (2016-2017)

Figure Global Cryopump Revenue Market Share by Manufacturer in 2016

Figure Global Cryopump Revenue Market Share by Manufacturer in 2017

Table Global Cryopump Price by Manufacturer (2016-2017)

Figure Top 3 Cryopump Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Cryopump Manufacturer (Revenue) Market Share in 2017

Figure Global Cryopump Sales and Growth Rate (2013-2018)

Figure Global Cryopump Revenue and Growth Rate (2013-2018)

Table Global Cryopump Sales by Regions (2013-2018)

Table Global Cryopump Sales Market Share by Regions (2013-2018)



Table Global Cryopump Revenue by Regions (2013-2018)  
Figure Global Cryopump Revenue Market Share by Regions in 2013  
Figure Global Cryopump Revenue Market Share by Regions in 2017  
Figure North America Cryopump Sales and Growth Rate (2013-2018)  
Figure North America Cryopump Revenue and Growth Rate (2013-2018)  
Figure Europe Cryopump Sales and Growth Rate (2013-2018)  
Figure Europe Cryopump Revenue and Growth Rate (2013-2018)  
Figure Asia-Pacific Cryopump Sales and Growth Rate (2013-2018)  
Figure Asia-Pacific Cryopump Revenue and Growth Rate (2013-2018)  
Figure South America Cryopump Sales and Growth Rate (2013-2018)  
Figure South America Cryopump Revenue and Growth Rate (2013-2018)  
Figure Middle East and Africa Cryopump Sales and Growth Rate (2013-2018)  
Figure Middle East and Africa Cryopump Revenue and Growth Rate (2013-2018)  
Figure North America Cryopump Revenue and Growth Rate (2013-2018)  
Table North America Cryopump Sales by Countries (2013-2018)  
Table North America Cryopump Sales Market Share by Countries (2013-2018)  
Figure North America Cryopump Sales Market Share by Countries in 2013  
Figure North America Cryopump Sales Market Share by Countries in 2017  
Table North America Cryopump Revenue by Countries (2013-2018)  
Table North America Cryopump Revenue Market Share by Countries (2013-2018)  
Figure North America Cryopump Revenue Market Share by Countries in 2013  
Figure North America Cryopump Revenue Market Share by Countries in 2017  
Figure United States Cryopump Sales and Growth Rate (2013-2018)  
Figure Canada Cryopump Sales and Growth Rate (2013-2018)  
Figure Mexico Cryopump Sales and Growth Rate (2013-2018)  
Table North America Cryopump Sales by Manufacturer (2016-2017)  
Figure North America Cryopump Sales Market Share by Manufacturer in 2016  
Figure North America Cryopump Sales Market Share by Manufacturer in 2017  
Table North America Cryopump Revenue by Manufacturer (2016-2017)  
Figure North America Cryopump Revenue Market Share by Manufacturer in 2016  
Figure North America Cryopump Revenue Market Share by Manufacturer in 2017  
Table North America Cryopump Sales by Type (2013-2018)  
Table North America Cryopump Sales Share by Type (2013-2018)  
Table North America Cryopump Revenue by Type (2013-2018)  
Table North America Cryopump Revenue Share by Type (2013-2018)  
Table North America Cryopump Sales by Application (2013-2018)  
Table North America Cryopump Sales Share by Application (2013-2018)  
Table North America Cryopump Revenue by Application (2013-2018)  
Table North America Cryopump Revenue Share by Application (2013-2018)

Figure Europe Cryopump Revenue and Growth Rate (2013-2018)  
Table Europe Cryopump Sales by Countries (2013-2018)  
Table Europe Cryopump Sales Market Share by Countries (2013-2018)  
Table Europe Cryopump Revenue by Countries (2013-2018)  
Figure Europe Cryopump Revenue Market Share by Countries in 2016  
Figure Europe Cryopump Revenue Market Share by Countries in 2017  
Figure Germany Cryopump Sales and Growth Rate (2013-2018)  
Figure UK Cryopump Sales and Growth Rate (2013-2018)  
Figure France Cryopump Sales and Growth Rate (2013-2018)  
Figure Russia Cryopump Sales and Growth Rate (2013-2018)  
Figure Italy Cryopump Sales and Growth Rate (2013-2018)  
Table Europe Cryopump Sales by Manufacturer (2016-2017)  
Figure Europe Cryopump Sales Market Share by Manufacturer in 2016  
Figure Europe Cryopump Sales Market Share by Manufacturer in 2017  
Table Europe Cryopump Revenue by Manufacturer (2016-2017)  
Figure Europe Cryopump Revenue Market Share by Manufacturer in 2016  
Figure Europe Cryopump Revenue Market Share by Manufacturer in 2017  
Table Europe Cryopump Sales by Type (2013-2018)  
Table Europe Cryopump Sales Share by Type (2013-2018)  
Table Europe Cryopump Revenue by Type (2013-2018)  
Table Europe Cryopump Revenue Share by Type (2013-2018)  
Table Europe Cryopump Sales by Application (2013-2018)  
Table Europe Cryopump Sales Share by Application (2013-2018)  
Table Europe Cryopump Revenue by Application (2013-2018)  
Table Europe Cryopump Revenue Share by Application (2013-2018)  
Figure Asia-Pacific Cryopump Revenue and Growth Rate (2013-2018)  
Table Asia-Pacific Cryopump Sales by Countries (2013-2018)  
Table Asia-Pacific Cryopump Sales Market Share by Countries (2013-2018)  
Figure Asia-Pacific Cryopump Sales Market Share by Countries 2017  
Table Asia-Pacific Cryopump Revenue by Countries (2013-2018)  
Figure Asia-Pacific Cryopump Revenue Market Share by Countries 2017  
Figure China Cryopump Sales and Growth Rate (2013-2018)  
Figure Japan Cryopump Sales and Growth Rate (2013-2018)  
Figure Korea Cryopump Sales and Growth Rate (2013-2018)  
Figure India Cryopump Sales and Growth Rate (2013-2018)  
Figure Southeast Asia Cryopump Sales and Growth Rate (2013-2018)  
Table Asia-Pacific Cryopump Sales by Manufacturer (2016-2017)  
Figure Asia-Pacific Cryopump Sales Market Share by Manufacturer in 2016  
Figure Asia-Pacific Cryopump Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Cryopump Revenue by Manufacturer (2016-2017)  
Figure Asia-Pacific Cryopump Revenue Market Share by Manufacturer in 2016  
Figure Asia-Pacific Cryopump Revenue Market Share by Manufacturer in 2017  
Table Asia-Pacific Cryopump Sales by Type (2013-2018)  
Table Asia-Pacific Cryopump Sales Share by Type (2013-2018)  
Table Asia-Pacific Cryopump Revenue by Type (2013-2018)  
Table Asia-Pacific Cryopump Revenue Share by Type (2013-2018)  
Table Asia-Pacific Cryopump Sales by Application (2013-2018)  
Table Asia-Pacific Cryopump Sales Share by Application (2013-2018)  
Table Asia-Pacific Cryopump Revenue by Application (2013-2018)  
Table Asia-Pacific Cryopump Revenue Share by Application (2013-2018)  
Figure South America Cryopump Revenue and Growth Rate (2013-2018)  
Table South America Cryopump Sales by Countries (2013-2018)  
Table South America Cryopump Sales Market Share by Countries (2013-2018)  
Figure South America Cryopump Sales Market Share by Countries in 2017  
Table South America Cryopump Revenue by Countries (2013-2018)  
Table South America Cryopump Revenue Market Share by Countries (2013-2018)  
Figure South America Cryopump Revenue Market Share by Countries in 2017  
Figure Brazil Cryopump Sales and Growth Rate (2013-2018)  
Figure Argentina Cryopump Sales and Growth Rate (2013-2018)  
Figure Colombia Cryopump Sales and Growth Rate (2013-2018)  
Table South America Cryopump Sales by Manufacturer (2016-2017)  
Figure South America Cryopump Sales Market Share by Manufacturer in 2016  
Figure South America Cryopump Sales Market Share by Manufacturer in 2017  
Table South America Cryopump Revenue by Manufacturer (2016-2017)  
Figure South America Cryopump Revenue Market Share by Manufacturer in 2016  
Figure South America Cryopump Revenue Market Share by Manufacturer in 2017  
Table South America Cryopump Sales by Type (2013-2018)  
Table South America Cryopump Sales Share by Type (2013-2018)  
Table South America Cryopump Revenue by Type (2013-2018)  
Table South America Cryopump Revenue Share by Type (2013-2018)  
Table South America Cryopump Sales by Application (2013-2018)  
Table South America Cryopump Sales Share by Application (2013-2018)  
Table South America Cryopump Revenue by Application (2013-2018)  
Table South America Cryopump Revenue Share by Application (2013-2018)  
Figure Middle East and Africa Cryopump Revenue and Growth Rate (2013-2018)  
Table Middle East and Africa Cryopump Sales by Countries (2013-2018)  
Table Middle East and Africa Cryopump Sales Market Share by Countries (2013-2018)  
Figure Middle East and Africa Cryopump Sales Market Share by Countries in 2017

Table Middle East and Africa Cryopump Revenue by Countries (2013-2018)  
Table Middle East and Africa Cryopump Revenue Market Share by Countries (2013-2018)  
Figure Middle East and Africa Cryopump Revenue Market Share by Countries in 2013  
Figure Middle East and Africa Cryopump Revenue Market Share by Countries in 2017  
Figure Saudi Arabia Cryopump Sales and Growth Rate (2013-2018)  
Figure UAE Cryopump Sales and Growth Rate (2013-2018)  
Figure Egypt Cryopump Sales and Growth Rate (2013-2018)  
Figure Nigeria Cryopump Sales and Growth Rate (2013-2018)  
Figure South Africa Cryopump Sales and Growth Rate (2013-2018)  
Table Middle East and Africa Cryopump Sales by Manufacturer (2016-2017)  
Figure Middle East and Africa Cryopump Sales Market Share by Manufacturer in 2016  
Figure Middle East and Africa Cryopump Sales Market Share by Manufacturer in 2017  
Table Middle East and Africa Cryopump Revenue by Manufacturer (2016-2017)  
Figure Middle East and Africa Cryopump Revenue Market Share by Manufacturer in 2016  
Figure Middle East and Africa Cryopump Revenue Market Share by Manufacturer in 2017  
Table Middle East and Africa Cryopump Sales by Type (2013-2018)  
Table Middle East and Africa Cryopump Sales Share by Type (2013-2018)  
Table Middle East and Africa Cryopump Revenue by Type (2013-2018)  
Table Middle East and Africa Cryopump Revenue Share by Type (2013-2018)  
Table Middle East and Africa Cryopump Sales by Application (2013-2018)  
Table Middle East and Africa Cryopump Sales Share by Application (2013-2018)  
Table Middle East and Africa Cryopump Revenue by Application (2013-2018)  
Table Middle East and Africa Cryopump Revenue Share by Application (2013-2018)  
Table Global Cryopump Sales by Type (2013-2018)  
Table Global Cryopump Sales Share by Type (2013-2018)  
Table Global Cryopump Revenue by Type (2013-2018)  
Table Global Cryopump Revenue Share by Type (2013-2018)  
Figure Global ?1000std. liter Sales Growth (2013-2018)  
Figure Global ?1000std. liter Price (2013-2018)  
Figure Global 1000-2000std. liter Sales Growth (2013-2018)  
Figure Global 1000-2000std. liter Price (2013-2018)  
Figure Global 2000-4000std. liter Sales Growth (2013-2018)  
Figure Global 2000-4000std. liter Price (2013-2018)  
Figure Global ?4000std. liter Sales Growth (2013-2018)  
Figure Global ?4000std. liter Price (2013-2018)  
Table Global Cryopump Sales by Application (2013-2018)

Table Global Cryopump Sales Share by Application (2013-2018)  
Figure Global Semiconductor Manufacturing Sales Growth (2013-2018)  
Figure Global Vacuum Coating Sales Growth (2013-2018)  
Figure Global Particle Accelerators Sales Growth (2013-2018)  
Figure Global Sputter Deposition Systems Sales Growth (2013-2018)  
Figure Global Other Applications Sales Growth (2013-2018)  
Figure Global Cryopump Sales, Revenue and Growth Rate (2018-2023)  
Table Global Cryopump Sales Forecast by Regions (2018-2023)  
Table Global Cryopump Market Share Forecast by Regions (2018-2023)  
Figure North America Sales Cryopump Market Forecast (2018-2023)  
Figure Europe Sales Cryopump Market Forecast (2018-2023)  
Figure Asia-Pacific Sales Cryopump Market Forecast (2018-2023)  
Figure South America Sales Cryopump Market Forecast (2018-2023)  
Figure Middle East and Africa Sales Cryopump Market Forecast (2018-2023)  
Table Global Cryopump Sales Forecast by Type (2018-2023)  
Table Global Cryopump Market Share Forecast by Type (2018-2023)  
Table Global Cryopump Sales Forecast by Application (2018-2023)  
Table Global Cryopump Market Share Forecast by Application (2018-2023)  
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