

2018 Top 5 Cryopump Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

<https://marketpublishers.com/r/20BA17C00D4EN.html>

Date: June 2018

Pages: 124

Price: US\$ 4,960.00 (Single User License)

ID: 20BA17C00D4EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

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 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%. Over the next five years, LPI(LP Information) projects that Cryopump will register a 3.5% CAGR in terms of revenue, reach US\$ 530 million by 2023, from US\$ 430 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

SHI Cryogenics Group

Ulvac

Brooks

Leybold

Trillium

PHPK Technologies

Vacree

Global Other

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Chile, Peru and Argentina)

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

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

?1000std. liter

1000-2000std. liter

2000-4000std. liter

?4000std. liter

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Semiconductor Manufacturing

Vacuum Coating

Particle Accelerators

Sputter Deposition Systems

Other Applications

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