

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

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## **Abstracts**

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

This report focuses on the Cryocooler 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. Gifford-McMahon (GM), Pulse-Tube (PT), Joule-Thomson (JT), Stirling, and Brayton cryocoolers are the major cryocooler types that have been considered for this study. Among these cryocooler types, the market for Stirling cryocooler is expected to grow at the highest rate during the forecast period. Some of the major reasons for the growth of this market include the wide adoption of Stirling cryocoolers in different applications such as military, medical, commercial, research and development, and space. The advantages of Stirling cryocoolers include high efficiency, small size, and less weight; they also offer reliable operations with very little maintenance required, if designed correctly.

The military, medical, commercial, environmental, energy, transport, research and development, and space are some of the key application areas of cryocoolers. The cryocoolers market for the military application held the largest market share in 2016, followed by the markets for commercial, research & development, medical, and energy applications. The major factors contributing to the growth of these markets include the increasing adoption of GM, PT, JT, and Stirling cryocoolers which maintain the cryogenic temperatures in these applications for the various systems to function at high efficiencies.

The worldwide market for Cryocooler is expected to grow at a CAGR of roughly 7.0% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017,

according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Sumitomo Heavy Industries Limited

Chart Industries, Inc

Brooks Automation, Inc

Sunpower, Inc

Cryomech, Inc

Northrop Grumman Corporation

Advanced Research Systems, Inc.

DH Industries Bv

Janis Research Company, LLC

Ricor Cryogenic & Vacuum Systems

Superconductor Technologies, Inc.

Air Liquide SA

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

Gifford-McMahon cryocoolers

Pulse-Tube cryocoolers

Stirling cryocoolers

Joule Thomson cryocoolers

Brayton cryocoolers

Market Segment by Applications, can be divided into

Military

Medical

Commercial

Environmental

Energy & power

Transport

Mining and metal

Research and development

Agriculture & biology

Others (LNG for peak shaving and superconducting quantum interference devices (SQUIDS))

There are 15 Chapters to deeply display The global Cryocooler market.

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

Chapter 2, to analyze the top manufacturers of Cryocooler, with sales, revenue, and price of Cryocooler, 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 Cryocooler, 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, Cryocooler market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

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

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