

# GM Cryocoolers Industry Research Report 2023

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## Abstracts

### Highlights

The global GM Cryocoolers market is projected to reach US\$ million by 2029 from an estimated US\$ million in 2022, at a CAGR of % during 2023 and 2029.

North American market for GM Cryocoolers is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Asia-Pacific market for GM Cryocoolers is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

The major global companies of GM Cryocoolers include Sumitomo Heavy Industries, Edwards, ULVAC CRYOGENICS, Cryomech, Inc, CSIC (Nanjing) Cryogenic Technology Co., Ltd, Zhejiang Bwokai Technologies Co., Ltd and Advanced Research Systems, etc. In 2022, the world's top three vendors accounted for approximately % of the revenue.

The global market for GM Cryocoolers in Semiconductor Manufacture is estimated to increase from \$ million in 2022 to \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Considering the economic change due to COVID-19 and Russia-Ukraine War Influence, Two-Speed Gifford-Mcmahon Cryocooler, which accounted for % of the global market of GM Cryocoolers in 2022, is expected to reach million US\$ by 2029, growing at a revised CAGR of % from 2023 to 2029.

## Report Scope

This report aims to provide a comprehensive presentation of the global market for GM Cryocoolers, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding GM Cryocoolers.

The GM Cryocoolers market size, estimations, and forecasts are provided in terms of output/shipments (Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global GM Cryocoolers market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the GM Cryocoolers manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

## Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2018-2023. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Sumitomo Heavy Industries

Edwards

ULVAC CRYOGENICS

Cryomech, Inc

CSIC (Nanjing) Cryogenic Technology Co., Ltd

Zhejiang Bwokai Technologies Co., Ltd

Advanced Research Systems

## Product Type Insights

Global markets are presented by GM Cryocoolers type, along with growth forecasts through 2029. Estimates on production and value are based on the price in the supply chain at which the GM Cryocoolers are procured by the manufacturers.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

## GM Cryocoolers segment by Type

Two-Speed Gifford-Mcmahon Cryocooler

One-Speed Gifford-Mcmahon Cryocooler

## Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors impacting the GM Cryocoolers market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer

trends that are driving the GM Cryocoolers market.

### GM Cryocoolers segment by Application

Semiconductor Manufacture

Vacuum Coating

Microelectronic Technology

Medical

Research

Others

### Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast value for 2029.

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

#### Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

#### Latin America

Mexico

Brazil

Argentina

## Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the GM Cryocoolers market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

## Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global GM Cryocoolers market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of GM Cryocoolers and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the GM Cryocoolers industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of GM Cryocoolers.

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of GM Cryocoolers manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of GM Cryocoolers by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of GM Cryocoolers in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.



## Contents

### 1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
  - 1.5.1 Secondary Sources
  - 1.5.2 Primary Sources

### 2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 GM Cryocoolers by Type
  - 2.2.1 Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)
    - 1.2.2 Two-Speed Gifford-Mcmahon Cryocooler
    - 1.2.3 One-Speed Gifford-Mcmahon Cryocooler
- 2.3 GM Cryocoolers by Application
  - 2.3.1 Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)
    - 2.3.2 Semiconductor Manufacture
    - 2.3.3 Vacuum Coating
    - 2.3.4 Microelectronic Technology
    - 2.3.5 Medical
    - 2.3.6 Research
    - 2.3.7 Others
- 2.4 Global Market Growth Prospects
  - 2.4.1 Global GM Cryocoolers Production Value Estimates and Forecasts (2018-2029)
  - 2.4.2 Global GM Cryocoolers Production Capacity Estimates and Forecasts (2018-2029)
  - 2.4.3 Global GM Cryocoolers Production Estimates and Forecasts (2018-2029)
  - 2.4.4 Global GM Cryocoolers Market Average Price (2018-2029)

### 3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global GM Cryocoolers Production by Manufacturers (2018-2023)
- 3.2 Global GM Cryocoolers Production Value by Manufacturers (2018-2023)

- 3.3 Global GM Cryocoolers Average Price by Manufacturers (2018-2023)
- 3.4 Global GM Cryocoolers Industry Manufacturers Ranking, 2021 VS 2022 VS 2023
- 3.5 Global GM Cryocoolers Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global GM Cryocoolers Manufacturers, Product Type & Application
- 3.7 Global GM Cryocoolers Manufacturers, Date of Enter into This Industry
- 3.8 Global GM Cryocoolers Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

## **4 MANUFACTURERS PROFILED**

- 4.1 Sumitomo Heavy Industries
  - 4.1.1 Sumitomo Heavy Industries GM Cryocoolers Company Information
  - 4.1.2 Sumitomo Heavy Industries GM Cryocoolers Business Overview
  - 4.1.3 Sumitomo Heavy Industries GM Cryocoolers Production, Value and Gross Margin (2018-2023)
  - 4.1.4 Sumitomo Heavy Industries Product Portfolio
  - 4.1.5 Sumitomo Heavy Industries Recent Developments
- 4.2 Edwards
  - 4.2.1 Edwards GM Cryocoolers Company Information
  - 4.2.2 Edwards GM Cryocoolers Business Overview
  - 4.2.3 Edwards GM Cryocoolers Production, Value and Gross Margin (2018-2023)
  - 4.2.4 Edwards Product Portfolio
  - 4.2.5 Edwards Recent Developments
- 4.3 ULVAC CRYOGENICS
  - 4.3.1 ULVAC CRYOGENICS GM Cryocoolers Company Information
  - 4.3.2 ULVAC CRYOGENICS GM Cryocoolers Business Overview
  - 4.3.3 ULVAC CRYOGENICS GM Cryocoolers Production, Value and Gross Margin (2018-2023)
  - 4.3.4 ULVAC CRYOGENICS Product Portfolio
  - 4.3.5 ULVAC CRYOGENICS Recent Developments
- 4.4 Cryomech, Inc
  - 4.4.1 Cryomech, Inc GM Cryocoolers Company Information
  - 4.4.2 Cryomech, Inc GM Cryocoolers Business Overview
  - 4.4.3 Cryomech, Inc GM Cryocoolers Production, Value and Gross Margin (2018-2023)
  - 4.4.4 Cryomech, Inc Product Portfolio
  - 4.4.5 Cryomech, Inc Recent Developments
- 4.5 CSIC (Nanjing) Cryogenic Technology Co., Ltd
  - 4.5.1 CSIC (Nanjing) Cryogenic Technology Co., Ltd GM Cryocoolers Company

## Information

4.5.2 CSIC Pride(Nanjing) Cryogenic Technology Co., Ltd GM Cryocoolers Business Overview

4.5.3 CSIC Pride(Nanjing) Cryogenic Technology Co., Ltd GM Cryocoolers Production, Value and Gross Margin (2018-2023)

4.5.4 CSIC Pride(Nanjing) Cryogenic Technology Co., Ltd Product Portfolio

4.5.5 CSIC Pride(Nanjing) Cryogenic Technology Co., Ltd Recent Developments

4.6 Zhejiang Bwokai Technologies Co., Ltd

4.6.1 Zhejiang Bwokai Technologies Co., Ltd GM Cryocoolers Company Information

4.6.2 Zhejiang Bwokai Technologies Co., Ltd GM Cryocoolers Business Overview

4.6.3 Zhejiang Bwokai Technologies Co., Ltd GM Cryocoolers Production, Value and Gross Margin (2018-2023)

4.6.4 Zhejiang Bwokai Technologies Co., Ltd Product Portfolio

4.6.5 Zhejiang Bwokai Technologies Co., Ltd Recent Developments

4.7 Advanced Research Systems

4.7.1 Advanced Research Systems GM Cryocoolers Company Information

4.7.2 Advanced Research Systems GM Cryocoolers Business Overview

4.7.3 Advanced Research Systems GM Cryocoolers Production, Value and Gross Margin (2018-2023)

4.7.4 Advanced Research Systems Product Portfolio

4.7.5 Advanced Research Systems Recent Developments

## **5 GLOBAL GM CRYOCOOLERS PRODUCTION BY REGION**

5.1 Global GM Cryocoolers Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

5.2 Global GM Cryocoolers Production by Region: 2018-2029

5.2.1 Global GM Cryocoolers Production by Region: 2018-2023

5.2.2 Global GM Cryocoolers Production Forecast by Region (2024-2029)

5.3 Global GM Cryocoolers Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

5.4 Global GM Cryocoolers Production Value by Region: 2018-2029

5.4.1 Global GM Cryocoolers Production Value by Region: 2018-2023

5.4.2 Global GM Cryocoolers Production Value Forecast by Region (2024-2029)

5.5 Global GM Cryocoolers Market Price Analysis by Region (2018-2023)

5.6 Global GM Cryocoolers Production and Value, YOY Growth

5.6.1 North America GM Cryocoolers Production Value Estimates and Forecasts (2018-2029)

5.6.2 Europe GM Cryocoolers Production Value Estimates and Forecasts (2018-2029)

5.6.3 China GM Cryocoolers Production Value Estimates and Forecasts (2018-2029)

5.6.4 Japan GM Cryocoolers Production Value Estimates and Forecasts (2018-2029)

## **6 GLOBAL GM CRYOCOOLERS CONSUMPTION BY REGION**

6.1 Global GM Cryocoolers Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

6.2 Global GM Cryocoolers Consumption by Region (2018-2029)

6.2.1 Global GM Cryocoolers Consumption by Region: 2018-2029

6.2.2 Global GM Cryocoolers Forecasted Consumption by Region (2024-2029)

6.3 North America

6.3.1 North America GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.3.2 North America GM Cryocoolers Consumption by Country (2018-2029)

6.3.3 United States

6.3.4 Canada

6.4 Europe

6.4.1 Europe GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.4.2 Europe GM Cryocoolers Consumption by Country (2018-2029)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.5.2 Asia Pacific GM Cryocoolers Consumption by Country (2018-2029)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

6.6.2 Latin America, Middle East & Africa GM Cryocoolers Consumption by Country (2018-2029)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

## **7 SEGMENT BY TYPE**

7.1 Global GM Cryocoolers Production by Type (2018-2029)

7.1.1 Global GM Cryocoolers Production by Type (2018-2029) & (Units)

7.1.2 Global GM Cryocoolers Production Market Share by Type (2018-2029)

7.2 Global GM Cryocoolers Production Value by Type (2018-2029)

7.2.1 Global GM Cryocoolers Production Value by Type (2018-2029) & (US\$ Million)

7.2.2 Global GM Cryocoolers Production Value Market Share by Type (2018-2029)

7.3 Global GM Cryocoolers Price by Type (2018-2029)

## **8 SEGMENT BY APPLICATION**

8.1 Global GM Cryocoolers Production by Application (2018-2029)

8.1.1 Global GM Cryocoolers Production by Application (2018-2029) & (Units)

8.1.2 Global GM Cryocoolers Production by Application (2018-2029) & (Units)

8.2 Global GM Cryocoolers Production Value by Application (2018-2029)

8.2.1 Global GM Cryocoolers Production Value by Application (2018-2029) & (US\$ Million)

8.2.2 Global GM Cryocoolers Production Value Market Share by Application (2018-2029)

8.3 Global GM Cryocoolers Price by Application (2018-2029)

## **9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET**

9.1 GM Cryocoolers Value Chain Analysis

9.1.1 GM Cryocoolers Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 GM Cryocoolers Production Mode & Process

9.2 GM Cryocoolers Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 GM Cryocoolers Distributors

9.2.3 GM Cryocoolers Customers

## **10 GLOBAL GM CRYOCOOLERS ANALYZING MARKET DYNAMICS**

10.1 GM Cryocoolers Industry Trends

10.2 GM Cryocoolers Industry Drivers

10.3 GM Cryocoolers Industry Opportunities and Challenges

10.4 GM Cryocoolers Industry Restraints

## **11 REPORT CONCLUSION**

## **12 DISCLAIMER**

## List Of Tables

### LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)

Table 4. Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)

Table 5. Global GM Cryocoolers Production by Manufacturers (Units) & (2018-2023)

Table 6. Global GM Cryocoolers Production Market Share by Manufacturers

Table 7. Global GM Cryocoolers Production Value by Manufacturers (US\$ Million) & (2018-2023)

Table 8. Global GM Cryocoolers Production Value Market Share by Manufacturers (2018-2023)

Table 9. Global GM Cryocoolers Average Price (US\$/Unit) of Key Manufacturers (2018-2023)

Table 10. Global GM Cryocoolers Industry Manufacturers Ranking, 2021 VS 2022 VS 2023

Table 11. Global GM Cryocoolers Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global GM Cryocoolers by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2022)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. Sumitomo Heavy Industries GM Cryocoolers Company Information

Table 16. Sumitomo Heavy Industries Business Overview

Table 17. Sumitomo Heavy Industries GM Cryocoolers Production (Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 18. Sumitomo Heavy Industries Product Portfolio

Table 19. Sumitomo Heavy Industries Recent Developments

Table 20. Edwards GM Cryocoolers Company Information

Table 21. Edwards Business Overview

Table 22. Edwards GM Cryocoolers Production (Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 23. Edwards Product Portfolio

Table 24. Edwards Recent Developments

Table 25. ULVAC CRYOGENICS GM Cryocoolers Company Information

Table 26. ULVAC CRYOGENICS Business Overview

Table 27. ULVAC CRYOGENICS GM Cryocoolers Production (Units), Value (US\$

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

Table 28. ULVAC CRYOGENICS Product Portfolio

Table 29. ULVAC CRYOGENICS Recent Developments

Table 30. Cryomech, Inc GM Cryocoolers Company Information

Table 31. Cryomech, Inc Business Overview

Table 32. Cryomech, Inc GM Cryocoolers Production (Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 33. Cryomech, Inc Product Portfolio

Table 34. Cryomech, Inc Recent Developments

Table 35. CSIC Pride?Nanjing) Cryogenic Technology Co., Ltd GM Cryocoolers Company Information

Table 36. CSIC Pride?Nanjing) Cryogenic Technology Co., Ltd Business Overview

Table 37. CSIC Pride?Nanjing) Cryogenic Technology Co., Ltd GM Cryocoolers Production (Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 38. CSIC Pride?Nanjing) Cryogenic Technology Co., Ltd Product Portfolio

Table 39. CSIC Pride?Nanjing) Cryogenic Technology Co., Ltd Recent Developments

Table 40. Zhejiang Bwokai Technologies Co., Ltd GM Cryocoolers Company Information

Table 41. Zhejiang Bwokai Technologies Co., Ltd Business Overview

Table 42. Zhejiang Bwokai Technologies Co., Ltd GM Cryocoolers Production (Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 43. Zhejiang Bwokai Technologies Co., Ltd Product Portfolio

Table 44. Zhejiang Bwokai Technologies Co., Ltd Recent Developments

Table 45. Advanced Research Systems GM Cryocoolers Company Information

Table 46. Advanced Research Systems Business Overview

Table 47. Advanced Research Systems GM Cryocoolers Production (Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 48. Advanced Research Systems Product Portfolio

Table 49. Advanced Research Systems Recent Developments

Table 50. Global GM Cryocoolers Production Comparison by Region: 2018 VS 2022 VS 2029 (Units)

Table 51. Global GM Cryocoolers Production by Region (2018-2023) & (Units)

Table 52. Global GM Cryocoolers Production Market Share by Region (2018-2023)

Table 53. Global GM Cryocoolers Production Forecast by Region (2024-2029) & (Units)

Table 54. Global GM Cryocoolers Production Market Share Forecast by Region (2024-2029)

Table 55. Global GM Cryocoolers Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 56. Global GM Cryocoolers Production Value by Region (2018-2023) & (US\$



Million)

Table 57. Global GM Cryocoolers Production Value Market Share by Region (2018-2023)

Table 58. Global GM Cryocoolers Production Value Forecast by Region (2024-2029) & (US\$ Million)

Table 59. Global GM Cryocoolers Production Value Market Share Forecast by Region (2024-2029)

Table 60. Global GM Cryocoolers Market Average Price (US\$/Unit) by Region (2018-2023)

Table 61. Global GM Cryocoolers Consumption Comparison by Region: 2018 VS 2022 VS 2029 (Units)

Table 62. Global GM Cryocoolers Consumption by Region (2018-2023) & (Units)

Table 63. Global GM Cryocoolers Consumption Market Share by Region (2018-2023)

Table 64. Global GM Cryocoolers Forecasted Consumption by Region (2024-2029) & (Units)

Table 65. Global GM Cryocoolers Forecasted Consumption Market Share by Region (2024-2029)

Table 66. North America GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 67. North America GM Cryocoolers Consumption by Country (2018-2023) & (Units)

Table 68. North America GM Cryocoolers Consumption by Country (2024-2029) & (Units)

Table 69. Europe GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 70. Europe GM Cryocoolers Consumption by Country (2018-2023) & (Units)

Table 71. Europe GM Cryocoolers Consumption by Country (2024-2029) & (Units)

Table 72. Asia Pacific GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 73. Asia Pacific GM Cryocoolers Consumption by Country (2018-2023) & (Units)

Table 74. Asia Pacific GM Cryocoolers Consumption by Country (2024-2029) & (Units)

Table 75. Latin America, Middle East & Africa GM Cryocoolers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Units)

Table 76. Latin America, Middle East & Africa GM Cryocoolers Consumption by Country (2018-2023) & (Units)

Table 77. Latin America, Middle East & Africa GM Cryocoolers Consumption by Country (2024-2029) & (Units)

Table 78. Global GM Cryocoolers Production by Type (2018-2023) & (Units)

Table 79. Global GM Cryocoolers Production by Type (2024-2029) & (Units)

- Table 80. Global GM Cryocoolers Production Market Share by Type (2018-2023)
- Table 81. Global GM Cryocoolers Production Market Share by Type (2024-2029)
- Table 82. Global GM Cryocoolers Production Value by Type (2018-2023) & (US\$ Million)
- Table 83. Global GM Cryocoolers Production Value by Type (2024-2029) & (US\$ Million)
- Table 84. Global GM Cryocoolers Production Value Market Share by Type (2018-2023)
- Table 85. Global GM Cryocoolers Production Value Market Share by Type (2024-2029)
- Table 86. Global GM Cryocoolers Price by Type (2018-2023) & (US\$/Unit)
- Table 87. Global GM Cryocoolers Price by Type (2024-2029) & (US\$/Unit)
- Table 88. Global GM Cryocoolers Production by Application (2018-2023) & (Units)
- Table 89. Global GM Cryocoolers Production by Application (2024-2029) & (Units)
- Table 90. Global GM Cryocoolers Production Market Share by Application (2018-2023)
- Table 91. Global GM Cryocoolers Production Market Share by Application (2024-2029)
- Table 92. Global GM Cryocoolers Production Value by Application (2018-2023) & (US\$ Million)
- Table 93. Global GM Cryocoolers Production Value by Application (2024-2029) & (US\$ Million)
- Table 94. Global GM Cryocoolers Production Value Market Share by Application (2018-2023)
- Table 95. Global GM Cryocoolers Production Value Market Share by Application (2024-2029)
- Table 96. Global GM Cryocoolers Price by Application (2018-2023) & (US\$/Unit)
- Table 97. Global GM Cryocoolers Price by Application (2024-2029) & (US\$/Unit)
- Table 98. Key Raw Materials
- Table 99. Raw Materials Key Suppliers
- Table 100. GM Cryocoolers Distributors List
- Table 101. GM Cryocoolers Customers List
- Table 102. GM Cryocoolers Industry Trends
- Table 103. GM Cryocoolers Industry Drivers
- Table 104. GM Cryocoolers Industry Restraints
- Table 105. Authors List of This Report

## List Of Figures

### LIST OF FIGURES

- Figure 1. Research Methodology
- Figure 2. Research Process
- Figure 3. Key Executives Interviewed
- Figure 4. GM Cryocoolers Product Picture
- Figure 5. Market Value Comparison by Type (2018 VS 2022 VS 2029) & (US\$ Million)
- Figure 6. Two-Speed Gifford-Mcmahon Cryocooler Product Picture
- Figure 7. One-Speed Gifford-Mcmahon Cryocooler Product Picture
- Figure 8. Semiconductor Manufacture Product Picture
- Figure 9. Vacuum Coating Product Picture
- Figure 10. Microelectronic Technology Product Picture
- Figure 11. Medical Product Picture
- Figure 12. Research Product Picture
- Figure 13. Others Product Picture
- Figure . Global GM Cryocoolers Production Value (US\$ Million), 2018 VS 2022 VS 2029
- Figure 1. Global GM Cryocoolers Production Value (2018-2029) & (US\$ Million)
- Figure 2. Global GM Cryocoolers Production Capacity (2018-2029) & (Units)
- Figure 3. Global GM Cryocoolers Production (2018-2029) & (Units)
- Figure 4. Global GM Cryocoolers Average Price (US\$/Unit) & (2018-2029)
- Figure 5. Global GM Cryocoolers Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 6. Global GM Cryocoolers Manufacturers, Date of Enter into This Industry
- Figure 7. Global Top 5 and 10 GM Cryocoolers Players Market Share by Production Valu in 2022
- Figure 8. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022
- Figure 9. Global GM Cryocoolers Production Comparison by Region: 2018 VS 2022 VS 2029 (Units)
- Figure 10. Global GM Cryocoolers Production Market Share by Region: 2018 VS 2022 VS 2029
- Figure 11. Global GM Cryocoolers Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)
- Figure 12. Global GM Cryocoolers Production Value Market Share by Region: 2018 VS 2022 VS 2029
- Figure 13. North America GM Cryocoolers Production Value (US\$ Million) Growth Rate (2018-2029)
- Figure 14. Europe GM Cryocoolers Production Value (US\$ Million) Growth Rate

(2018-2029)

Figure 15. China GM Cryocoolers Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 16. Japan GM Cryocoolers Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 17. Global GM Cryocoolers Consumption Comparison by Region: 2018 VS 2022 VS 2029 (Units)

Figure 18. Global GM Cryocoolers Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 19. North America GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 20. North America GM Cryocoolers Consumption Market Share by Country (2018-2029)

Figure 21. United States GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 22. Canada GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 23. Europe GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 24. Europe GM Cryocoolers Consumption Market Share by Country (2018-2029)

Figure 25. Germany GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 26. France GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 27. U.K. GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 28. Italy GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 29. Netherlands GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 30. Asia Pacific GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 31. Asia Pacific GM Cryocoolers Consumption Market Share by Country (2018-2029)

Figure 32. China GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 33. Japan GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 34. South Korea GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 35. China Taiwan GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 36. Southeast Asia GM Cryocoolers Consumption and Growth Rate (2018-2029)

& (Units)

Figure 37. India GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 38. Australia GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 39. Latin America, Middle East & Africa GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 40. Latin America, Middle East & Africa GM Cryocoolers Consumption Market Share by Country (2018-2029)

Figure 41. Mexico GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 42. Brazil GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 43. Turkey GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 44. GCC Countries GM Cryocoolers Consumption and Growth Rate (2018-2029) & (Units)

Figure 45. Global GM Cryocoolers Production Market Share by Type (2018-2029)

Figure 46. Global GM Cryocoolers Production Value Market Share by Type (2018-2029)

Figure 47. Global GM Cryocoolers Price (US\$/Unit) by Type (2018-2029)

Figure 48. Global GM Cryocoolers Production Market Share by Application (2018-2029)

Figure 49. Global GM Cryocoolers Production Value Market Share by Application (2018-2029)

Figure 50. Global GM Cryocoolers Price (US\$/Unit) by Application (2018-2029)

Figure 51. GM Cryocoolers Value Chain

Figure 52. GM Cryocoolers Production Mode & Process

Figure 53. Direct Comparison with Distribution Share

Figure 54. Distributors Profiles

Figure 55. GM Cryocoolers Industry Opportunities and Challenges

## Highlights

The global GM Cryocoolers market is projected to reach US\$ million by 2028 from an estimated US\$ million in 2022, at a CAGR of % during 2024 and 2029.

North American market for GM Cryocoolers is estimated to increase from \$ million in 2022 to reach \$ million by 2028, at a CAGR of % during the forecast period of 2023 through 2028.

Asia-Pacific market for GM Cryocoolers is estimated to increase from \$ million in 2022 to reach \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

The major global companies of GM Cryocoolers include Sumitomo Heavy Industries, Edwards, ULVAC CRYOGENICS, Cryomech, Inc, CSIC Pride(Nanjing) Cryogenic

Technology Co., Ltd, Zhejiang Bwokai Technologies Co., Ltd and Advanced Research Systems, etc. In 2022, the world's top three vendors accounted for approximately % of the revenue.

The global market for GM Cryocoolers in Semiconductor Manufacture is estimated to increase from \$ million in 2023 to \$ million by 2029, at a CAGR of % during the forecast period of 2023 through 2029.

Considering the economic change due to COVID-19 and Russia-Ukraine War Influence, Two-Speed Gifford-Mcmahon Cryocooler, which accounted for % of the global market of GM Cryocoolers in 2022, is expected to reach million US\$ by 2029, growing at a revised CAGR of % from 2023 to 2029.

### Report Scope

This report aims to provide a comprehensive presentation of the global market for GM Cryocoolers, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding GM Cryocoolers.

The GM Cryocoolers market size, estimations, and forecasts are provided in terms of output/shipments (Units) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global GM Cryocoolers market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the GM Cryocoolers manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

### Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2017-2022. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in

the research report include:

Sumitomo Heavy Industries

Edwards

ULVAC CRYOGENICS

Cryomech, Inc

CSIC (Nanjing) Cryogenic Technology Co., Ltd

Zhejiang Bwokai Technologies Co., Ltd

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