

Global Cold Plates Market Size study, By Product Type (Stir Welded Cold Plate, Press Locked Cold Plate, Vacuum Brazed Cold Plate, Rolled Tube Cold Plate, Exposed Tube Cold Plate, Vortex Cold Plate, Die Cast Cold Plate, Other Customized Cold Plate), By Application (High Powered Electronics, Wind Turbines, Medical Equipment, IGBT Modules, Motor Devices, Lasers, Automotive Components, Military Equipment, Laboratory Plates) and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/G4586EAD227CEN.html>

Date: September 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G4586EAD227CEN

Abstracts

Global Cold Plates Market is valued at approximately XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2022-2028. Cold plates are a method of implementing localised cooling of power electronics by transferring heat from a device to a liquid, which then flows to a remote heat exchanger before dissipating into the ambient or another liquid in secondary cooling systems. The liquid cold plates are a difficult choice for high power electronics, lasers, motor devices, wind turbines, and other applications where liquid cooling is required. The cold plate market is experiencing rapid growth as a result of significant development in end-use industries such as electronics and automotive. Leading players are vying for new contracts for cold plates, and competition among players is fierce. The global cold plates industry is expected to consolidate, with well-known market participants focusing on increasing their market share through expansion and acquisition in order to maintain their global leadership. As an example, Parker Hannifin Corporation's Precision Cooling Business ('PCB'), a leading supplier of Pumped Two

Phase Cooling products for power electronics applications, was acquired by Advanced Cooling Technologies, Inc. in January 2019. The increased use of miniaturized electronics components in a wide range of products is expected to drive the growth of the lightweight and higher fin density cold plates market. The growing preference for advanced liquid-cooled thermal solutions is expected to drive global market demand. Production activities for almost all industries, including automotive, electronics, and semiconductors, have been halted, resulting in a decrease in demand for cold plates and a drop in Y-O-Y growth.

The key regions considered for the global Cold Plates market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is expected to hold dominance. The region has technological advantages and is a key location for manufacturers all over the world, which is expected to fuel the growth of the cold plates market. Strong supply base due to the presence of key manufacturers also contributes to the North American market growth.

Major market players included in this report are:

Parker Hannifin Corporation
Sanhua Holding Group Co., Ltd
AMS Technologies
Fujikura Ltd.
Dana Limited
Sumitomo Precision Products Co Ltd.
Columbia Staver Ltd.
Wieland Microcool
Wakefield Thermal Solutions Inc.
TelereX

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Stir Welded Cold Plate
Press locked Cold Plate

Vacuum Brazed Cold Plate
Rolled Tube Cold Plate
Exposed Tube Cold Plate
Vortex Cold Plate
Die cast Cold Plate
Other Customized Cold Plate

By Application:

High Powered Electronics
Wind Turbines
Medical Equipment
IGBT Modules
Motor Devices
Lasers
Automotive Components
Military Equipment
Laboratory Plates

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific

China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil

Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Cold Plates Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Billion)
 - 1.2.1. Cold Plates Market, by Region, 2020-2028 (USD Billion)
 - 1.2.2. Cold Plates Market, by Product Type, 2020-2028 (USD Billion)
 - 1.2.3. Cold Plates Market, by Application, 2020-2028 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL COLD PLATES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL COLD PLATES MARKET DYNAMICS

- 3.1. Cold Plates Market Impact Analysis (2020-2028)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Introduction to highly efficient customized products
 - 3.1.1.2. Surge in miniaturized electronics components
 - 3.1.2. Market Challenges
 - 3.1.2.1. High initial cost and regular maintenance & cleaning
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing inclination towards advanced liquid-cooled thermal solutions

CHAPTER 4. GLOBAL COLD PLATES MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants

- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL COLD PLATES MARKET, BY PRODUCT TYPE

- 6.1. Market Snapshot
- 6.2. Global Cold Plates Market by Product Type, Performance - Potential Analysis
- 6.3. Global Cold Plates Market Estimates & Forecasts by Product Type, 2018-2028 (USD Billion)
- 6.4. Cold Plates Market, Sub Segment Analysis
 - 6.4.1. Stir Welded Cold Plate
 - 6.4.2. Press locked Cold Plate
 - 6.4.3. Vacuum Brazed Cold Plate
 - 6.4.4. Rolled Tube Cold Plate
 - 6.4.5. Exposed Tube Cold Plate
 - 6.4.6. Vortex Cold Plate
 - 6.4.7. Die cast Cold Plate
 - 6.4.8. Other Customized Cold Plate

CHAPTER 7. GLOBAL COLD PLATES MARKET, BY APPLICATION

- 7.1. Market Snapshot
- 7.2. Global Cold Plates Market by Application, Performance - Potential Analysis
- 7.3. Global Cold Plates Market Estimates & Forecasts by Application, 2018-2028 (USD

Billion)

7.4. Cold Plates Market, Sub Segment Analysis

- 7.4.1. High Powered Electronics
- 7.4.2. Wind Turbines
- 7.4.3. Medical Equipment
- 7.4.4. IGBT Modules
- 7.4.5. Motor Devices
- 7.4.6. Lasers
- 7.4.7. Automotive Components
- 7.4.8. Military Equipment
- 7.4.9. Laboratory Plates

CHAPTER 8. GLOBAL COLD PLATES MARKET, REGIONAL ANALYSIS

8.1. Cold Plates Market, Regional Market Snapshot

8.2. North America Cold Plates Market

8.2.1. U.S. Cold Plates Market

8.2.1.1. Product Type breakdown estimates & forecasts, 2018-2028

8.2.1.2. Application breakdown estimates & forecasts, 2018-2028

8.2.2. Canada Cold Plates Market

8.3. Europe Cold Plates Market Snapshot

8.3.1. U.K. Cold Plates Market

8.3.2. Germany Cold Plates Market

8.3.3. France Cold Plates Market

8.3.4. Spain Cold Plates Market

8.3.5. Italy Cold Plates Market

8.3.6. Rest of Europe Cold Plates Market

8.4. Asia-Pacific Cold Plates Market Snapshot

8.4.1. China Cold Plates Market

8.4.2. India Cold Plates Market

8.4.3. Japan Cold Plates Market

8.4.4. Australia Cold Plates Market

8.4.5. South Korea Cold Plates Market

8.4.6. Rest of Asia Pacific Cold Plates Market

8.5. Latin America Cold Plates Market Snapshot

8.5.1. Brazil Cold Plates Market

8.5.2. Mexico Cold Plates Market

8.6. Rest of The World Cold Plates Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Company Profiles
 - 9.2.1. Parker Hannifin Corporation
 - 9.2.1.1. Key Information
 - 9.2.1.2. Overview
 - 9.2.1.3. Financial (Subject to Data Availability)
 - 9.2.1.4. Product Summary
 - 9.2.1.5. Recent Developments
 - 9.2.2. Sanhua Holding Group Co., Ltd
 - 9.2.3. AMS Technologies
 - 9.2.4. Fujikura Ltd.
 - 9.2.5. Dana Limited
 - 9.2.6. Sumitomo Precision Products Co Ltd.
 - 9.2.7. Columbia Staver Ltd.
 - 9.2.8. Wieland Microcool
 - 9.2.9. Wakefield Thermal Solutions Inc.
 - 9.2.10. Telerex

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Cold Plates Market, report scope

TABLE 2. Global Cold Plates Market estimates & forecasts by Region 2018-2028 (USD Billion)

TABLE 3. Global Cold Plates Market estimates & forecasts by Product Type 2018-2028 (USD Billion)

TABLE 4. Global Cold Plates Market estimates & forecasts by Application 2018-2028 (USD Billion)

TABLE 5. Global Cold Plates Market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 6. Global Cold Plates Market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 7. Global Cold Plates Market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 8. Global Cold Plates Market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 9. Global Cold Plates Market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 10. Global Cold Plates Market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 11. Global Cold Plates Market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 12. Global Cold Plates Market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 13. Global Cold Plates Market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 14. Global Cold Plates Market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 15. U.S. Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 16. U.S. Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 17. U.S. Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 18. Canada Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 19. Canada Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 20. Canada Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 21. UK Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 22. UK Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 23. UK Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 24. Germany Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 25. Germany Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 26. Germany Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 27. RoE Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 28. RoE Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 29. RoE Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 30. China Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 31. China Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 32. China Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 33. India Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 34. India Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 35. India Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 36. Japan Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 37. Japan Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 38. Japan Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 39. RoAPAC Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 40. RoAPAC Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 41. RoAPAC Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 42. Brazil Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 43. Brazil Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 44. Brazil Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 45. Mexico Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 46. Mexico Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 47. Mexico Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 48. RoLA Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 49. RoLA Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 50. RoLA Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 51. Row Cold Plates Market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 52. Row Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 53. Row Cold Plates Market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 54. List of secondary sources, used in the study of global Cold Plates Market

TABLE 55. List of primary sources, used in the study of global Cold Plates Market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Cold Plates Market, research methodology
- FIG 2. Global Cold Plates Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Cold Plates Market, key trends 2021
- FIG 5. Global Cold Plates Market, growth prospects 2022-2028
- FIG 6. Global Cold Plates Market, porters 5 force model
- FIG 7. Global Cold Plates Market, pest analysis
- FIG 8. Global Cold Plates Market, value chain analysis
- FIG 9. Global Cold Plates Market by segment, 2018 & 2028 (USD Billion)
- FIG 10. Global Cold Plates Market by segment, 2018 & 2028 (USD Billion)
- FIG 11. Global Cold Plates Market by segment, 2018 & 2028 (USD Billion)
- FIG 12. Global Cold Plates Market by segment, 2018 & 2028 (USD Billion)
- FIG 13. Global Cold Plates Market by segment, 2018 & 2028 (USD Billion)
- FIG 14. Global Cold Plates Market, regional snapshot 2018 & 2028
- FIG 15. North America Cold Plates Market 2018 & 2028 (USD Billion)
- FIG 16. Europe Cold Plates Market 2018 & 2028 (USD Billion)
- FIG 17. Asia Pacific Cold Plates Market 2018 & 2028 (USD Billion)
- FIG 18. Latin America Cold Plates Market 2018 & 2028 (USD Billion)
- FIG 19. Global Cold Plates Market, company Market share analysis (2021)

I would like to order

Product name: Global Cold Plates Market Size study, By Product Type (Stir Welded Cold Plate, Press Locked Cold Plate, Vacuum Brazed Cold Plate, Rolled Tube Cold Plate, Exposed Tube Cold Plate, Vortex Cold Plate, Die Cast Cold Plate, Other Customized Cold Plate), By Application (High Powered Electronics, Wind Turbines, Medical Equipment, IGBT Modules, Motor Devices, Lasers, Automotive Components, Military Equipment, Laboratory Plates) and Regional Forecasts 2022-2028

Product link: <https://marketpublishers.com/r/G4586EAD227CEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G4586EAD227CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970