

Global Cold Plate Market Growth 2025-2031

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Abstracts

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The global Cold Plate market size is predicted to grow from US\$ 357 million in 2025 to US\$ 557 million in 2031; it is expected to grow at a CAGR of 7.7% from 2025 to 2031.

This report studies the Cold Plate market, a Cold Plate is aluminum or other plate containing internal tubing through which a liquid coolant is forced, to absorb heat transferred to the plate by transistors and other components mounted on it. It is one of the most common liquid cooling solutions that make use of direct contact between the Cold Plate and the object to be cooled. This direct contact allows the heat to be efficiently conducted. Cold Plate offers many advantages over forced air cooled heat sinks such as performance, noise level and reliability.

Global Cold Plate key players include Aavid, Lytron, Wakefield-Vette, Wolverine Tube, Asia Vital Components, etc. Global top five manufacturers hold a share about 50%. USA is the largest market, with a share about 40%, followed by China, with a share about 25 percent. In terms of product, Formed Tube Cold Plate is the largest segment, with a share about 35%. And in terms of application, the largest application is High Power Electronic Equipment, followed by Medical Equipment, Power Conversion Equipmen, Laser Device, LED, Defence and Aerospace, etc.

LP Information, Inc. (LPI) ' newest research report, the "Cold Plate Industry Forecast" looks at past sales and reviews total world Cold Plate sales in 2024, providing a comprehensive analysis by region and market sector of projected Cold Plate sales for 2025 through 2031. With Cold Plate sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Cold Plate industry.

This Insight Report provides a comprehensive analysis of the global Cold Plate landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Cold Plate portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Cold Plate market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Cold Plate and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Cold Plate.

This report presents a comprehensive overview, market shares, and growth opportunities of Cold Plate market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Formed tube Cold Plate

Deep drilled Cold Plate

Machined channel Cold Plates

Pocketed folded-fin Cold Plates

Others

Segmentation by Application:

High Power Electronic Equipment

Laser Device

Power Conversion Equipment

Medical Equipment

Defence and Aerospace

LED

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Aavid

Lytron

Asia Vital Components

Wakefield-Vette

Wolverine Tube

Xenbo Electric

Columbia-Staver

TAT Technologies

Ellediesse

DAU

TE Technology

Wenxuan Hardware

Kawaso Texcel

Hitachi

Suzhou Wint Electric

Tucker Engineering

Shanghai Kissthermal

MaxQ Technology

Mikros

HS Marston

Key Questions Addressed in this Report

What is the 10-year outlook for the global Cold Plate market?

What factors are driving Cold Plate market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Cold Plate market opportunities vary by end market size?

How does Cold Plate break out by Type, by Application?

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