

Global Liquid Cold Plate Heat Sink Market Growth 2024-2030

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Abstracts

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A liquid cold plate heat sink is a cooling solution used to dissipate heat from electronic components or systems by transferring it to a liquid coolant flowing through channels within the cold plate. This type of heat sink is typically made of a thermally conductive material such as aluminum or copper and features intricate internal pathways to facilitate the flow of coolant. As the hot electronic component makes contact with the cold plate, heat is transferred to the coolant, which carries it away from the source and dissipates it into the surrounding environment. Liquid cold plate heat sinks are often employed in high-performance computing systems, power electronics, and other applications where efficient heat dissipation is essential. They offer superior thermal performance compared to traditional air-cooled heat sinks, making them ideal for cooling densely packed electronic assemblies or components subjected to high heat loads.

The global Liquid Cold Plate Heat Sink market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Liquid Cold Plate Heat Sink Industry Forecast" looks at past sales and reviews total world Liquid Cold Plate Heat Sink sales in 2023, providing a comprehensive analysis by region and market sector of projected Liquid Cold Plate Heat Sink sales for 2024 through 2030. With Liquid Cold Plate Heat Sink sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Liquid Cold Plate Heat Sink industry.

This Insight Report provides a comprehensive analysis of the global Liquid Cold Plate Heat Sink 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 Liquid Cold Plate Heat Sink portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Liquid Cold Plate Heat Sink market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Liquid Cold Plate Heat Sink 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 Liquid Cold Plate Heat Sink.

The global Liquid Cold Plate market is dominated by Aavid, Lytron, Asia Vital Components, Wakefield-Vette and Wolverine Tube, with the top five players accounting for about 50% of the market share.

North America is the largest Liquid Cold Plate market with about 40 percent of the market, followed by China with about 35 percent.

This report presents a comprehensive overview, market shares, and growth opportunities of Liquid Cold Plate Heat Sink 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 Plate

Pocketed Folded-Fin Cold Plate

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

HS Marston

Columbia-Staver

TAT Technologies

Ellediesse

DAU

TE Technology

Wenxuan Hardware

Kawaso Texcel

Hitachi

Suzhou Wint Electric

Tucker Engineering

Shanghai Kissthermal

MaxQ Technology

Mikros

Koolance

Key Questions Addressed in this Report

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

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

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

How do Liquid Cold Plate Heat Sink market opportunities vary by end market size?

How does Liquid Cold Plate Heat Sink break out by Type, by Application?

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