

Global Cold Plate Market Insights, Forecast to 2026

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Abstracts

A Cold Plate is an 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 makes 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.

Globally, cold plate industry is less concentrated due to its relatively simple production process and technical funding barriers. And some enterprises, like Aavid, Lytron, Asia Vital Components and Wakefield-Vette, etc. are well-known for the wonderful performance of their cooling segment. In 2015, Aavid acquired Thermacore, Inc, Qfinsoft Technology Inc and Kunze-Folien GmbH. After the acquisition, Aavid's market share increased significantly. At present, Aavid hold 19.88% of the global market share. In the United States and Europe, Aavid, Lytron, Wakefield-Vette, Wolverine Tube and Columbia-Staver are important players in the market. Asia Vital Components and Xenbo Electric are the Chinese market leaders.

China is the world's largest exporting country. Japan, South Korea, Southeast Asia and the United States need to import cold plate from China. In addition, many companies set up production bases in China. At the same time, China can also produce OEM cold plate. It should be noted that some of Aavid's products come from China or India (OEM form).

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Cold Plate 4900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its

financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Cold Plate 4900 industry.

Based on our recent survey, we have several different scenarios about the Cold Plate 4900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 273.8 million in 2019. The market size of Cold Plate 4900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026. With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Cold Plate market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Cold Plate market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Cold Plate market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global Cold Plate market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global Cold Plate market has been provided based on region.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Cold Plate market, covering important regions, viz, North America, Europe, China, Japan, Austria and

Taiwan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Cold Plate market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Cold Plate market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Cold Plate market.

The following manufacturers are covered in this report:

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

Cold Plate Breakdown Data by Type

Formed tube Cold Plate

Deep drilled Cold Plate

Machined channel Cold Plates

Pocketed folded-fin Cold Plates

Others

Cold Plate Breakdown Data by Application

High Power Electronic Equipment

Laser Device

Power Conversion Equipment

Medical Equipment

Defence and Aerospace

LED

Others

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