

Global Metal Unibody Cold Plate Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Metal Unibody Cold Plate market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

The Metal Unibody Cold Plate is a cooling solution designed for high-performance servers, made of high thermal conductive metals (such as copper or aluminium) with integrated internal cooling channels. The cold plate is in direct contact with the server's core components through circulating coolant, effectively transferring and dispersing heat to ensure stable server operation under high load conditions. Its seamless unibody design makes installation easier and reduces the risk of potential leakage. It is widely used in data centres, cloud computing and high-performance computing, enhancing the overall cooling efficiency and reliability of the system.

This report is a detailed and comprehensive analysis for global Metal Unibody Cold Plate market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Metal Unibody Cold Plate market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Metal Unibody Cold Plate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Metal Unibody Cold Plate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Metal Unibody Cold Plate market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Metal Unibody Cold Plate
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Metal Unibody Cold Plate market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Asia Vital Components, Auras, Shenzhen Cotran New Material, Shenzhen FRD Science, Cooler Master, CoolIT Systems, Nidec, CoolestDC, Boyd, Sunon, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Metal Unibody Cold Plate market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Copper

Aluminum

Market segment by Application

Server

Supercomputing

Others

Major players covered

Asia Vital Components

Auras

Shenzhen Cotran New Material

Shenzhen FRD Science

Cooler Master

CoolIT Systems

Nidec

CoolestDC

Boyd

Sunon

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Metal Unibody Cold Plate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Metal Unibody Cold Plate, with price, sales quantity, revenue, and global market share of Metal Unibody Cold Plate from 2020 to 2025.

Chapter 3, the Metal Unibody Cold Plate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Metal Unibody Cold Plate breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Metal Unibody Cold Plate market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Metal Unibody Cold Plate.

Chapter 14 and 15, to describe Metal Unibody Cold Plate sales channel, distributors, customers, research findings and conclusion.

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