

Global Copper 3D Printed Liquid Cooling Plate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Copper 3D Printed Liquid Cooling Plate market size was valued at US\$ 146 million in 2025 and is forecast to a readjusted size of US\$ 251 million by 2032 with a CAGR of 6.2% during review period.

A Copper 3D Printed Liquid Cooling Plate is a high-performance thermal management component manufactured using metal additive manufacturing technologies such as laser powder bed fusion. By 3D printing copper or copper-alloy materials, complex internal cooling channels that are impossible with conventional machining can be integrated directly into the plate, enabling highly efficient liquid flow and heat removal. These cooling plates offer excellent thermal conductivity, optimized fluid distribution, reduced pressure drop, and compact integration, making them well suited for high-power applications such as AI servers, high-performance computing (HPC), power electronics, batteries, and advanced data-center cooling systems. In 2025, global Copper 3D Printed Liquid Cooling Plate production reached approximately 676 k units with an average global market price of around US\$ 210 per unit. The production capacity for Copper 3D Printed Liquid Cooling Plate in 2025 was approximately 700 k units. The typical gross profit margin for Copper 3D Printed Liquid Cooling Plate is between 20% and 40%.

This report is a detailed and comprehensive analysis for global Copper 3D Printed Liquid Cooling 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 Copper 3D Printed Liquid Cooling Plate market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Copper 3D Printed Liquid Cooling Plate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Copper 3D Printed Liquid Cooling Plate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Copper 3D Printed Liquid Cooling Plate market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Copper 3D Printed Liquid Cooling 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 Copper 3D Printed Liquid Cooling 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 Alloy Enterprises, Fabric8Labs, CoolestDC, Conflux Technology, Asetek, NanFang Ventilator, etc.

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

Market Segmentation

Copper 3D Printed Liquid Cooling Plate market is split by Type and by Application. For

the period 2021-2032, 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

Monolithic

Hybrid Assembly

Market segment by Technology

SLM/DMLS

ECAM

Others

Market segment by Application

Data Centers & High-Performance Computing (HPC)

Automotive and Electric Vehicles (EVs)

Aerospace and Defense

Communications and 5G Equipment

Other

Major players covered

Alloy Enterprises

Fabric8Labs

CoollestDC

Conflux Technology

Asetek

NanFang Ventilator

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 Copper 3D Printed Liquid Cooling Plate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Copper 3D Printed Liquid Cooling Plate, with price, sales quantity, revenue, and global market share of Copper 3D Printed Liquid Cooling Plate from 2021 to 2026.

Chapter 3, the Copper 3D Printed Liquid Cooling Plate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Copper 3D Printed Liquid Cooling Plate breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Copper 3D Printed Liquid Cooling Plate market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Copper 3D Printed Liquid Cooling Plate.

Chapter 14 and 15, to describe Copper 3D Printed Liquid Cooling Plate sales channel, distributors, customers, research findings and conclusion.

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