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Global Copper 3D Printed Liquid Cooling Plate Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G0CA337BD314EN.html
Date: January 2026
Pages: 109
Price: US$ 4,480.00 (Single User License)
ID: G0CA337BD314EN

Abstracts

The global Copper 3D Printed Liquid Cooling Plate market size is expected to reach $ 251 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

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 studies the global Copper 3D Printed Liquid Cooling Plate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Copper 3D Printed Liquid Cooling Plate and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Copper 3D Printed Liquid

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Cooling Plate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Copper 3D Printed Liquid Cooling Plate total production and demand, 2021-2032, (K Units)

Global Copper 3D Printed Liquid Cooling Plate total production value, 2021-2032, (USD Million)

Global Copper 3D Printed Liquid Cooling Plate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Copper 3D Printed Liquid Cooling Plate consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Copper 3D Printed Liquid Cooling Plate domestic production, consumption, key domestic manufacturers and share

Global Copper 3D Printed Liquid Cooling Plate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Copper 3D Printed Liquid Cooling Plate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Copper 3D Printed Liquid Cooling Plate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Copper 3D Printed Liquid Cooling Plate market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices

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used in analyzing the World Copper 3D Printed Liquid Cooling Plate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Copper 3D Printed Liquid Cooling Plate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Copper 3D Printed Liquid Cooling Plate Market, Segmentation by Type:

Monolithic

Hybrid Assembly

Global Copper 3D Printed Liquid Cooling Plate Market, Segmentation by Technology:

SLM/DMLS

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ECAM

Others

Global Copper 3D Printed Liquid Cooling Plate Market, Segmentation by Application:

Data Centers & High-Performance Computing (HPC)

Automotive and Electric Vehicles (EVs)

Aerospace and Defense

Communications and 5G Equipment

Other

Companies Profiled:

Alloy Enterprises

Fabric8Labs

CoolestDC

Conflux Technology

Asetek

NanFang Ventilator

Key Questions Answered:

1. How big is the global Copper 3D Printed Liquid Cooling Plate market?
2. What is the demand of the global Copper 3D Printed Liquid Cooling Plate market?
3. What is the year over year growth of the global Copper 3D Printed Liquid Cooling Plate market?

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4. What is the production and production value of the global Copper 3D Printed Liquid Cooling Plate market?
5. Who are the key producers in the global Copper 3D Printed Liquid Cooling Plate market?
6. What are the growth factors driving the market demand?

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