

Global Metal 3D Printed Liquid Cooling Plate Market Growth 2026-2032

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Abstracts

The global Metal 3D Printed Liquid Cooling Plate market size is predicted to grow from US\$ 364 million in 2025 to US\$ 584 million in 2032; it is expected to grow at a CAGR of 6.5% from 2026 to 2032.

Metal 3D printed liquid cooling plates are mainly used downstream in data centers, AI servers, power electronics, and advanced industrial equipment to enable high-efficiency thermal management. They are applied in cooling high-power chips, battery systems, inverters, and laser or RF devices, where complex internal flow channels and lightweight, compact designs are required for superior heat dissipation. In 2025, global Metal 3D Printed Liquid Cooling Plate production reached approximately 1862 k units with an average global market price of around US\$ 200 per unit. The production capacity for Metal 3D Printed Liquid Cooling Plate in 2025 was approximately 2000 k units. The typical gross profit margin for Metal 3D Printed Liquid Cooling Plate is between 20% and 40%. Metal 3D printed liquid cooling plates are mainly used in downstream applications such as data centers, power electronics, electric vehicles, and high-performance computing systems, where efficient heat dissipation is critical. Their complex internal channel designs enable improved thermal management for batteries, power modules, laser systems, and advanced electronic devices with high heat flux.

United States market for Metal 3D Printed Liquid Cooling Plate is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Metal 3D Printed Liquid Cooling Plate is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Metal 3D Printed Liquid Cooling Plate is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Metal 3D Printed Liquid Cooling Plate players cover Alloy Enterprises, Fabric8Labs, CoolestDC, Conflux Technology, Airsys, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Metal 3D Printed Liquid Cooling Plate Industry Forecast" looks at past sales and reviews total world Metal 3D Printed Liquid Cooling Plate sales in 2025, providing a comprehensive analysis by region and market sector of projected Metal 3D Printed Liquid Cooling Plate sales for 2026 through 2032. With Metal 3D Printed Liquid Cooling Plate sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Metal 3D Printed Liquid Cooling Plate industry.

This Insight Report provides a comprehensive analysis of the global Metal 3D Printed Liquid Cooling Plate 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 Metal 3D Printed Liquid Cooling Plate portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Metal 3D Printed Liquid Cooling Plate market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Metal 3D Printed Liquid Cooling Plate 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 Metal 3D Printed Liquid Cooling Plate.

This report presents a comprehensive overview, market shares, and growth opportunities of Metal 3D Printed Liquid Cooling Plate market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Copper Liquid Cold Plate

Aluminum Liquid Cold Plate

Others

Segmentation by Technology:

SLM/DMLS

ECAM

Others

Segmentation by Application:

Data Centers & High-Performance Computing (HPC)

Automotive and Electric Vehicles (EVs)

Aerospace and Defense

Communications and 5G Equipment

Other

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.

Alloy Enterprises

Fabric8Labs

CoollestDC

Conflux Technology

Airsys

ADDMAN Group

Asetek

ATS

EOS GmbH

Xi'an Bright Laser Technologies

NanFang Ventilator

Farsoon Technologies

LINGYI Itech

Shenzhen Xihe Additive Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Metal 3D Printed Liquid Cooling Plate market?

What factors are driving Metal 3D Printed Liquid Cooling Plate market growth, globally and by region?

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

How do Metal 3D Printed Liquid Cooling Plate market opportunities vary by end market size?

How does Metal 3D Printed Liquid Cooling Plate break out by Type, by Application?

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