

# **Global Metal Matrix Composite Market Size study, by Product Type ( Aluminum MMC, Magnesium MMC, Refractory MMC, Others), by End-Use Industry ( Ground transportation, Aerospace, Thermal management, Industrial, Others), by Production Technology (Powder metallurgy, Liquid infiltration, Casting, Deposition techniques), by Reinforcement Type ( Continuous, Discontinuous, Particle) and Regional Forecasts 2020-2027**

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## **Abstracts**

Global Metal Matrix Composite Market is valued approximately at USD 549.4 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 6.10% over the forecast period 2020-2027. Metal matrix composites (MMCs) are a collection of materials (such as metals, alloys, or intermetallic compounds) combined with various reinforcement phases, such as whiskers, particulates or continuous fibres. Such composites provide outstanding strength and rigidity, low working temperatures and improved wear resistance, which makes them commonly used in different end-use industries such as in automotive, aerospace, semiconductor and others. For instance, metal matrix composites material has high thermal conductivity and low coefficient of thermal expansion relative to copper and aluminum while encouraging its use in the manufacture of semiconductors. MMC protects the device from thermal stress and radio noise and is commonly used in electronic packaging systems. Hence, increasing demand for lightweight & strong MMC from End-Use Industry is one of the prominent factors contributing towards the market growth. In addition, rising fuel prices have induced the need for lightweight components to increase fuel efficiency, which is estimated to have a significant impact on the global Metal Matrix Composite market.

Whereas complicated manufacturing process is likely to impede the market growth.

The regional analysis of global Metal Matrix Composite market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to significant growth owing to expansion in telecommunication and automobile industry. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as expansion of the manufacturing sector and strong growth in automotive production along with high concentration of electronics manufacturers would create lucrative growth prospects for the Metal Matrix Composite market across Asia-Pacific region.

Major market player included in this report are:

Materion Corporation  
GKN plc  
3M  
ADMA Products, Inc.  
TISICS Ltd.  
Thermal Transfer Composites LLC  
DWA Aluminum Composites USA, Inc.  
CPS Technologies Corporation  
Deutsche Edelstahlwerke GmbH  
Plansee Group

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Aluminum MMC  
Magnesium MMC  
Refractory MMC  
Others

**By End-Use Industry:**

Ground transportation

Aerospace

Thermal management

Industrial

Others

**By Production Technology:**

Powder metallurgy

Liquid infiltration

Casting

Deposition techniques

**By Reinforcement Type:**

Continuous

Discontinuous

Particle

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Metal Matrix Composite Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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GKN plc  
3M  
ADMA Products, Inc.  
TISICS Ltd.  
Thermal Transfer Composites LLC

DWA Aluminum Composites USA, Inc.  
CPS Technologies Corporation  
Deutsche Edelstahlwerke GmbH  
Plansee Group

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