

# Metal Matrix Composite - Global Market Outlook (2017-2026)

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## Abstracts

According to Statistics MRC, the Global Metal Matrix Composite Market is accounted for \$441.58 million in 2017 and is expected to reach \$894.32 million by 2026 growing at a CAGR of 8.2% during the forecast period. Some of the key factors influencing the market growth include increasing demand for lightweight & strong MMC from the ground transportation end-use industry, growing demand for weight reduction from automotive industry and higher specific strength and modulus over metals. However, complicated manufacturing process is restraining the market growth.

Metal matrix composites (MMC) are composite materials consisting of a metal and a secondary ingredient which may be a different metal or non-metallic material such as ceramic or organic compound. The key characteristics associated with metal matrix composites is provision of superior mechanical and physical properties such as tensile strength, resistance to fire and moisture and can be used over a wide temperature range.

Based on product type, Refractory matrix materials are expected to witness the substantial growth in terms of demand over the next seven years owing to multi-utility in several application segments including tools, nuclear reaction control rods, catalysts in chemical reactions, solar panels, and spacecraft exteriors.

By Geography, North America is projected to grow at the significant market share during the forecast period. This is due to the presence of established MMC manufactures and increased consumption of MMC in the aerospace and transportation industries in the region.

Some of the key players in global metal matrix composite market are Sumitomo Electric

Industries Ltd., ADMA Products, Inc., 3M, Ceradyne, Inc., Sandvik AB, Plansee SE, Metal Matrix Cast Composites LLC, GKN PLC, Materion Corporation, Hitachi Metals, Ltd., CPS Technologies Corporation, 3A Composites, Deutsche Edelstahlwerke GmbH, TISICS Ltd., Thermal Transfer Composites LLC and Ferrotec Corporation.

#### Production Technologies Covered:

Powder Metallurgy

Liquid Metal Infiltration

Depositions Techniques

Casting

#### Product Types Covered:

Refractory Metal Matrix Composite

Magnesium Metal Matrix Composite

Aluminum Metal Matrix Composite

Nickel Metal Matrix Composite

Super Alloy MMC

Copper MMC

Other Product Types

#### Reinforcement Types Covered:

Discontinuous Reinforcement

Particle

## Continuous Reinforcement

### End-Use Industries Covered:

Aerospace

Ground Transportation

Industrial

Electronics and Thermal Management

Automotive

Other Applications

### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

## Rest of Middle East & Africa

### What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

### Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

#### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

## Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

## Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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**Note:** Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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