

Middle East Metal Matrix Composite Market Size, Share & Trends Analysis Report By End-use (Ground Transportation, Electronics/Thermal Management, Aerospace), By Product (Aluminum, Nickel, Refractory), By Country, And Segment Forecasts, 2025 - 2033

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Abstracts

Middle East Metal Matrix Composite Market Summary

The Middle East metal matrix composite market size was estimated at USD 13.2 million in 2024 and is expected to reach USD 23.9 million by 2033, growing at a CAGR of 6.8% from 2025 to 2033. The region is experiencing a steady transformation in its automotive industry, with a growing focus on electric vehicles (EVs), fuel efficiency, and high-performance materials.

MMCs are being increasingly utilized in the manufacturing of engine components, brake systems, and drivetrain parts due to their lightweight and durable properties.

Governments across the region are also launching green mobility initiatives, which promote the use of sustainable and lightweight materials in vehicles. This push for innovation and sustainability is accelerating the adoption of MMCs in the transportation sector. Additionally, high-end vehicle customization and motorsport activities are contributing to niche demand for MMC-based components.

Large-scale industrial and infrastructure projects under initiatives like Saudi Vision 2030 and the UAE's economic diversification plans are bolstering the demand for advanced composite materials. MMCs are increasingly used in machinery, construction equipment, and structural components where high strength and resistance to wear and

corrosion are essential. As these countries move away from oil dependence, investments in manufacturing, mining, and construction are surging, directly boosting the requirement for high-performance materials like MMCs. Furthermore, the push for modernization and smart infrastructure is fostering innovation and the integration of advanced materials into foundational projects.

The continuous development of new MMC formulations and processing techniques is significantly enhancing their mechanical properties, cost-effectiveness, and application range. In the Middle East, both public and private sectors are investing in research and development to support the local production and customization of composite materials. Collaborations between universities, research institutions, and international companies are fostering a robust innovation ecosystem for MMCs. These technological advancements are not only improving performance characteristics but also reducing manufacturing costs, making MMCs more accessible across industries. As regional capabilities in materials science grow, so too does the domestic MMC market potential.

Middle East Metal Matrix Composite Market Report Segmentation

This report forecasts revenue growth at the regional and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the Middle East metal matrix composite market report based on end use, product, and country:

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Ground Transportation

Electronics/Thermal Management

Aerospace

Others

Product Outlook (Revenue, USD Million, 2021 - 2033)

Aluminum

Nickel

Refractory

Others

Regional Outlook (Revenue, USD Million; 2021 - 2033)

Middle East

Saudi Arabia

UAE

Egypt

Qatar

Kuwait

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