

Global Aluminum Matrix Composites for Automotive Market Growth 2025-2031

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Abstracts

The global Aluminum Matrix Composites for Automotive market size is predicted to grow from US\$ 254 million in 2025 to US\$ 384 million in 2031; it is expected to grow at a CAGR of 7.2% from 2025 to 2031.

At present, new energy vehicles are mainly driven by electricity, and the weight of the battery is about 250 kilograms. Lightweight vehicles and environmental protection are the main development directions of new energy vehicles. In the field of new energy vehicles, aluminum matrix composites are mainly used in automobile brake discs, engine parts, etc.

With the electrification trend in the automotive industry, manufacturers are looking for ways to optimize the efficiency of electric motors. Using aluminum matrix composites can be effectively optimized for strength-to-weight ratio as well as sturdiness-to-weight ratio. This field has always been one of the most important civilian fields of aluminum matrix composites. Aluminum Matrix Composites are mainly used for automobile pistons, suspension arms, connecting rods, automobile engine cylinder blocks/cylinder heads, etc. Aluminum Matrix Composites account for nearly 16% of the automotive market. We expect that in the future, with the trend of lightweight new energy vehicles and environmental protection of materials, the application of Aluminum Matrix Composites will provide a broader market space. At that time, the automotive market will account for The ratio will exceed 19%.

LP Information, Inc. (LPI) ' newest research report, the "Aluminum Matrix Composites for Automotive Industry Forecast" looks at past sales and reviews total world Aluminum Matrix Composites for Automotive sales in 2024, providing a comprehensive analysis by region and market sector of projected Aluminum Matrix Composites for Automotive

sales for 2025 through 2031. With Aluminum Matrix Composites for Automotive sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Aluminum Matrix Composites for Automotive industry.

This Insight Report provides a comprehensive analysis of the global Aluminum Matrix Composites for Automotive 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 Aluminum Matrix Composites for Automotive portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Aluminum Matrix Composites for Automotive market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Aluminum Matrix Composites for Automotive 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 Aluminum Matrix Composites for Automotive.

This report presents a comprehensive overview, market shares, and growth opportunities of Aluminum Matrix Composites for Automotive market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Particle Reinforced

Fiber Reinforced

Segmentation by Application:

Automotive Brake Disc

Automotive Piston

Automotive Connecting Rod

Engine Block/Cylinder Head

Automotive Suspension Arm

Others

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.

Alvant

Triton Systems

CPS Technologies

Grimm Metal

Anhui Xiangbang

Zhongke Composite

Yinbang

Key Questions Addressed in this Report

What is the 10-year outlook for the global Aluminum Matrix Composites for Automotive market?

What factors are driving Aluminum Matrix Composites for Automotive market growth, globally and by region?

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

How do Aluminum Matrix Composites for Automotive market opportunities vary by end market size?

How does Aluminum Matrix Composites for Automotive break out by Type, by Application?

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