

Technology Landscape, Trends and Opportunities in the Global Automotive Front End Module Market

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Abstracts

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The material technologies in automotive front end module have undergone significant change in recent years, with heavyweight metals transitioning to lightweight composites. The rising wave of new material technologies, such as light weight composites, glass mat thermoplastic, long fiber thermoplastic (LFT), polypropylene, direct LFT aluminum plastic-aluminum composite, and ultra-high strength steel alloy are creating significant potential for automotive front end module in various vehicle platforms as it integrates number of components, reduce material cost, assembly time reduction, length reduction for assembly line, and supply chain simplification.

In this market, various material technologies, such as steel, aluminum, composite, hybrid and plastic are used in passenger cars, light commercial vehicles, and heavy commercial vehicles. Small and heavy vehicle production, demand for front end module (FEM) modularization and light weight front end modules (FEMs) and concerns over driver and passenger safety are creating opportunities for various automotive front end module technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the automotive front end module market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global

automotive front end module technology by material technology, application, and region as follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Trends and Forecasts by Material Technology [\$M shipment analysis from 2018 to 2030]:

Steel

Aluminum

Composite

Hybrid

Plastic

Trends and Forecasts by Application [\$M shipment analysis from 2018 to 2030]:

Passenger Cars

Steel

Aluminum

Composite

Hybrid

Plastic

Light Commercial Vehicles

Steel

Aluminum

Composite

Hybrid

Plastic

Heavy Commercial Vehicles

Steel

Aluminum

Composite

Hybrid

Plastic

Trends and Forecasts by Region [\$M shipment analysis for 2018 to 2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Automotive Front End Module Technologies

Companies / Ecosystems

Strategic Opportunities by Technology Type

Some of the automotive front end module companies profiled in this report include Faurecia, Denso Corporation, Mahle, Magna International, Robert Bosch, Compagnie Plastic Omnium, Samvardhana Motherson Group, Hyundai Mobis, HBPO, Calsonic Kansei Corporation, and SL Corporation.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the automotive front end module market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in automotive front end module market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the business risks and threats to these technologies in automotive front end module market?

Q.6 What are the latest developments in automotive front end module technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this automotive front end module market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this automotive front end module technology space?

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9.8. Hyundai Mobis

9.9. HBPO

9.10. Calsonic Kansei Corporation

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