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Global Automotive Insert Molding Components Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Automotive Insert Molding Components market size is expected to reach $ 11079 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032).

Automotive insert-molded components are composite automotive parts created by placing metal, ceramic, electronic, or other pre-fabricated inserts into an injection mold, which are then encapsulated by injected engineering plastics and cured into a finished form. The core principle lies in achieving integrated functions—such as electrical conductivity, interconnection, insulation, structural support, sealing, and assembly integration—through a single, unified molding process. These components are primarily utilized in fields such as automotive connectors, sensors, high-voltage busbars for new energy vehicles, control modules, and electric drive systems.

The upstream segment of the automotive insert-molding industry primarily comprises raw materials and components such as copper, copper alloy terminals, stamped parts, metal nuts, copper busbars, sensor elements, magnetic materials, seals, and engineering plastics (including PBT, PA66, PPS, LCP, PPA, and PA6T). The midstream segment encompasses processes such as insert stamping, electroplating, mold design, insert positioning, injection molding, insulation encapsulation, and quality inspection. The downstream segment primarily serves end applications such as automotive connectors, power batteries, and electronic control systems.

By 2025, global sales volume for automotive insert-molded components is projected to reach approximately 2 billion units, with an average global market price of approximately $3.60 per unit; the gross profit margins for major industry players are expected to range between 22% and 35%.

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As the automotive manufacturing sector continues to adopt advanced production technologies, insert-molded components—capable of integrating multiple functions into a single unit—are gaining increasing traction in applications involving the interconnection of electronic components and the construction of electric vehicle platforms. By enhancing structural integrity while simultaneously facilitating the use of lightweight, high-performance materials, insert molding plays a pivotal role in meeting stringent emissions and energy consumption standards, as well as in reducing overall vehicle weight. Consequently, against the backdrop of the rapid expansion of the new energy vehicle market, the demand for these components is experiencing particularly pronounced growth. Furthermore, driven by the accelerating trends toward automotive digitalization, sensor integration, and personalized design, the complexity and added value of insert-molded products are poised to rise, thereby opening up new avenues for growth in supply chain collaboration, technological advancement, and market segmentation. Overall, the automotive insert-molding industry is expected to maintain a trajectory of robust growth over the coming decade; specifically, amidst the surging waves of vehicle electrification and intelligent connectivity, the critical importance of these components—particularly within lightweight structural assemblies and electronic isolation and interconnection systems—is set to be further elevated.

This report studies the global Automotive Insert Molding Components production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive Insert Molding Components and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive Insert Molding Components that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Automotive Insert Molding Components total production and demand, 2021-2032, (K Units)
Global Automotive Insert Molding Components total production value, 2021-2032, (USD Million)
Global Automotive Insert Molding Components production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Automotive Insert Molding Components consumption by region & country, CAGR, 2021-2032 & (K Units)

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U.S. VS China: Automotive Insert Molding Components domestic production, consumption, key domestic manufacturers and share
Global Automotive Insert Molding Components production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Automotive Insert Molding Components production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Automotive Insert Molding Components production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Automotive Insert Molding Components market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Lear Corporation, TB&C Group, ENNOVI, Amphenol Automotive, Beyonics, TE Connectivity, Molex, Autosplice, Weiss-Aug Group, Sunrise ELC Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive Insert Molding Components market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automotive Insert Molding Components Market, By Region:

United States

China

Europe

Japan

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South Korea

ASEAN

India

Rest of World

Global Automotive Insert Molding Components Market, Segmentation by Type:

Connector Insert Moldings

Battery Control Insert Moldings

Sensor Insert Moldings

Body Insert Moldings

Global Automotive Insert Molding Components Market, Segmentation by Insert Materials:

Metal Terminals

Busbars

Nuts

Others

Global Automotive Insert Molding Components Market, Segmentation by Molding Process:

Intermittent Insert Injection Molding

Continuous Insert Injection Molding

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Global Automotive Insert Molding Components Market, Segmentation by Application:

Passenger Cars

Commercial Vehicles

Companies Profiled:

Lear Corporation

TB&C Group

ENNOVI

Amphenol Automotive

Beyonics

TE Connectivity

Molex

Autosplice

Weiss-Aug Group

Sunrise ELC Technology

Jiangsu Yunyi Electric

Ningbo Tianlong Electronics

CWB Automotive Electronics

Key Questions Answered:

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1. How big is the global Automotive Insert Molding Components market?
2. What is the demand of the global Automotive Insert Molding Components market?
3. What is the year over year growth of the global Automotive Insert Molding Components market?
4. What is the production and production value of the global Automotive Insert Molding Components market?
5. Who are the key producers in the global Automotive Insert Molding Components market?
6. What are the growth factors driving the market demand?

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