+357 96 030922
info@marketpublishers.com

Automotive Chassis Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars and Commercial Vehicles), By Electric Vehicle Type (BEV, HEV and PHEV), By Chassis Type (Backbone, Ladder, Monocoque, Modular), By Material (Steel, Aluminium Alloy, Carbon fibre Composite), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/AEAE73BEDE7EEN.html
Date: January 2026
Pages: 181
Price: US$ 4,500.00 (Single User License)
ID: AEAE73BEDE7EEN

Abstracts

The Global Automotive Chassis Market is projected to expand significantly, rising from USD 113.78 Billion in 2025 to USD 210.98 Billion by 2031, reflecting a compound annual growth rate of 10.84%. As the fundamental structural framework of a vehicle, the chassis is engineered to bear mechanical loads while supporting the body and powertrain. The market's upward trajectory is primarily fueled by consistent increases in global vehicle manufacturing rates and the necessity for modular platforms inherent to transport electrification. This direct link between assembly volume and component demand is highlighted by recent industrial output; according to the China Association of Automobile Manufacturers, automobile production hit nearly 13.89 million units in the first half of 2024, driving a corresponding need for chassis fabrication to sustain this level of activity.

However, the sector confronts substantial obstacles due to the unpredictable fluctuation of raw material costs. Manufacturers must navigate persistent uncertainty regarding prices for steel and aluminum alloys, which are critical for building frames that are both durable and lightweight. This instability regarding input costs hampers the ability to set strategic pricing and squeezes profit margins, thereby posing a threat to the financial

+357 96 030922
info@marketpublishers.com

stability of suppliers operating within the global value chain.

Market Driver

The automotive industry's rapid shift toward electrification is necessitating a move to specialized skateboard chassis platforms. These modular designs are constructed to integrate battery packs within the floor, lowering the vehicle's center of gravity and maximizing interior space while accommodating the substantial mass of electric powertrains. This structural advancement enables producers to scale manufacturing across diverse models using a single adaptable base, resulting in reduced development expenditures and faster times to market. The strength of this transition is evident in market adoption rates; according to the European Automobile Manufacturers? Association (ACEA) January 2025 'Economic and Market Report', battery-electric cars achieved a 13.6% market share in the European Union in 2024, underscoring the increasing dependence on these dedicated architectures.

Concurrently, growing consumer demand for Sport Utility Vehicles (SUVs) and light trucks is driving the need for stronger, more durable chassis systems. To manage the larger dimensions and heavier payloads of these vehicle types, designs are increasingly incorporating high-strength steel and advanced joining methods to guarantee optimal crash safety and torsional rigidity. This trend is especially strong in markets dominated by utility vehicles; according to the Alliance for Automotive Innovation's 'Get Connected Electric Vehicle Report Q4 2024' released in April 2025, light trucks accounted for 81% of the EV market in the United States during the fourth quarter of 2024. This segment-specific requirement fuels broader industry expansion, as indicated by the European Automobile Manufacturers? Association (ACEA) report that global car sales totaled 74.6 million units in 2024, highlighting the massive manufacturing scale needed to sustain such growth.

Market Challenge

Unstable raw material costs act as a major hurdle to the growth of the global automotive chassis market. The fabrication process depends heavily on metals like aluminum and steel to guarantee the structural integrity and durability essential for vehicle safety. When prices for these critical commodities fluctuate without warning, manufacturers find it challenging to maintain stable profit margins and establish consistent cost frameworks. This financial unpredictability hinders suppliers from committing to long-term pricing contracts with automakers, resulting in delayed agreements and a reluctance to invest in production capabilities.

+357 96 030922
info@marketpublishers.com

The consequences of this instability are amplified by the massive volume of raw materials the industry utilizes annually. According to the World Steel Association, global steel demand was projected to recover by 1.7% to hit 1,793 Mt in April 2024. Given such large aggregate demand, even slight changes in material prices result in significant shifts in operational expenses for chassis manufacturers. As a result, this unpredictability compels manufacturers to either absorb the increased costs or face the loss of business, directly obstructing market expansion and financial viability.

Market Trends

The shift toward Steer-by-Wire and Brake-by-Wire systems marks a pivotal advancement in chassis technology, substituting conventional mechanical connections with digital interfaces that facilitate fully software-defined vehicle dynamics. This transition permits variable steering ratios and enhanced cabin ergonomics by enabling the steering wheel to retract during autonomous driving, aligning with the industry's drive toward automation and adaptable interiors. Commercial adoption is quickening as leading suppliers verify the dependability of these digital architectures for mass production; according to a February 2025 press release from ZF regarding the start of Steer-by-Wire production at Chinese automaker NIO, the company announced a major order to provide brake-by-wire systems for approximately five million vehicles, highlighting the rapid shift toward purely electronic actuation.

At the same time, the integration of AI-enabled predictive active suspension systems is transforming ride quality by using electromechanical actuators to actively neutralize road irregularities and reduce motion sickness in high-performance electric vehicles. Distinct from passive or semi-active dampers, these sophisticated systems utilize real-time sensor data to manage vertical wheel dynamics independently, establishing a stable platform crucial for improving passenger comfort in increasingly digitalized cabins. Efficiency is a critical competitive element for electric mobility; according to Marelli's April 2025 press release regarding its '2025 Automotive News PACEpilot Award for its Fully Active Electromechanical Suspension', the firm's new oil-free suspension design delivers up to 80% greater energy efficiency than traditional semi-active systems, illustrating the market's emphasis on merging superior handling with reduced power usage.

Key Market Players

Robert Bosch GmbH

+357 96 030922
info@marketpublishers.com

ZF Friedrichshafen AG

Continental AG

Magna International Inc

Aisin Seiki Co., Ltd.

Hyundai Mobis Co., Ltd.

Benteler International AG

Gestamp Automocion S.A.

Schaeffler AG

Tower International, Inc.

Report Scope

In this report, the Global Automotive Chassis Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Chassis Market, By Vehicle Type

Passenger Cars and Commercial Vehicles

Automotive Chassis Market, By Electric Vehicle Type

BEV

HEV and PHEV

Automotive Chassis Market, By Chassis Type

Backbone

+357 96 030922
info@marketpublishers.com

- Ladder
- Monocoque
- Modular

Automotive Chassis Market, By Material

- Steel
- Aluminium Alloy
- Carbon fibre Composite

Automotive Chassis Market, By Region

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- Asia Pacific

+357 96 030922
info@marketpublishers.com

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Chassis Market.

Available Customizations:

Global Automotive Chassis Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

+357 96 030922
info@marketpublishers.com

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

6. NORTH AMERICA AUTOMOTIVE CHASSIS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

7. EUROPE AUTOMOTIVE CHASSIS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC AUTOMOTIVE CHASSIS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA AUTOMOTIVE CHASSIS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA AUTOMOTIVE CHASSIS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Automotive Chassis Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars and Commercial Vehicles), By Electric Vehicle Type (BEV, HEV and PHEV), By Chassis Type (Backbone, Ladder, Monocoque, Modular), By Material (Steel, Aluminium Alloy, Carbon fibre Composite), By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/AEAE73BEDE7EEN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/AEAE73BEDE7EEN.html