

# **Automotive Transmission Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Car, Light Commercial Vehicle, Heavy Commercial Vehicle, Electric Vehicle, Others), By Transmission Type (Automatic, Manual, Dual Clutch, Continuously Variable), By Fuel Type (Gasoline, Diesel), By Region, By Competition, 2020-2030F**

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## **Abstracts**

### **Market Overview**

Global Automotive Transmission Market was valued at USD 166.16 Billion in 2024 and is expected to reach USD 234.87 Billion by 2030 with a CAGR of 5.6% during the forecast period. The automotive transmission market is evolving rapidly, driven by technological advancements and shifting consumer preferences. The growing demand for fuel-efficient vehicles has led to the adoption of advanced transmission systems such as dual-clutch transmissions (DCTs) and continuously variable transmissions (CVTs), which offer improved fuel economy and smoother driving experiences. Simultaneously, the rise of electric and hybrid vehicles is prompting the development of specialized transmission systems tailored to electric drivetrains, further expanding the market.

Manufacturers are increasingly focusing on reducing vehicle weight to enhance fuel efficiency and meet stringent emission regulations. For instance, General Motors (GM) announced an USD 888 million investment to develop a next-generation V-8 engine at a New York plant, marking the most significant engine investment in GM's history. This

initiative aims to bolster North American manufacturing operations and support the production of advanced transmission systems. The use of lightweight materials like aluminum and high-strength steel composites in transmission components is becoming more prevalent. Advanced manufacturing processes, including additive manufacturing, enable the production of complex, lightweight transmission parts with optimized designs. This trend not only contributes to environmental sustainability but also improves vehicle performance and reduces operating costs. However, the market faces challenges such as the high cost of advanced transmission systems and the complexity of maintenance.

## **Key Market Drivers**

### Adoption of Advanced Transmission Technologies

The automotive industry is increasingly adopting advanced transmission technologies such as dual-clutch transmissions (DCTs) and continuously variable transmissions (CVTs) to enhance fuel efficiency and provide smoother driving experiences. These technologies allow for quicker gear shifts and better power delivery, contributing to improved vehicle performance and reduced fuel consumption. As consumer demand for fuel-efficient vehicles rises, automakers are investing in these advanced transmission systems to meet market expectations.

## **Key Market Challenges**

### High Cost of Advanced Transmission Systems

The development and implementation of advanced transmission systems, such as dual-clutch transmissions (DCTs) and continuously variable transmissions (CVTs), involve significant research and development expenses. These systems also require specialized manufacturing processes and materials, contributing to higher production costs. The increased cost of these advanced systems can make vehicles equipped with them less affordable for consumers, potentially limiting their widespread adoption, particularly in price-sensitive markets.

## **Key Market Trends**

### Increased Demand for Fuel-Efficient Transmissions

As fuel efficiency becomes more critical due to rising fuel prices and environmental

regulations, automakers are focusing on developing transmission systems that help improve fuel economy. Dual-clutch transmissions (DCTs) and continuously variable transmissions (CVTs) are being increasingly favored for their ability to optimize fuel usage. These systems enable smoother gear shifts and better power distribution, contributing to enhanced fuel efficiency and reducing emissions. This trend is expected to continue as both consumers and manufacturers prioritize fuel efficiency. In January 2024, Tata Motors introduced Automated Manual Transmission (AMT) for its Compressed Natural Gas (CNG) vehicles. The company has opened bookings for the Tiago and Tigor iCNG AMT models. With the integration of Twin Cylinder CNG technology to maximize boot space and the addition of automatic transmission, Tata Motors is establishing a new benchmark in the CNG vehicle segment.

### **Key Market Players**

ZF Friedrichshafen AG

Hyundai Transys Inc.

DENSO Corporation

Allison Transmission Holdings Inc.

JATCO Ltd.

Aisin Corporation

Magna International Inc.

BorgWarner Inc.

GKN Automotive Limited

Valeo S.A.

### **Report Scope:**

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

below:

Automotive Transmission Market, By Transmission Type:

Automatic

Manual

Dual Clutch

Continuously Variable

Automotive Transmission Market, By Vehicle Type:

Passenger Car

Light Commercial Vehicle

Heavy Commercial Vehicle

Electric Vehicle

Others

Automotive Transmission Market, By Fuel Type:

Gasoline

Diesel

Automotive Transmission Market, By Region:

North America

United States

Canada

Mexico

## Europe & CIS

Germany

France

U.K.

Spain

Italy

## Asia-Pacific

China

Japan

India

South Korea

## Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

## South America

Brazil

Argentina

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Automotive Transmission Market.

Available Customizations:

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

### Company Information

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

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