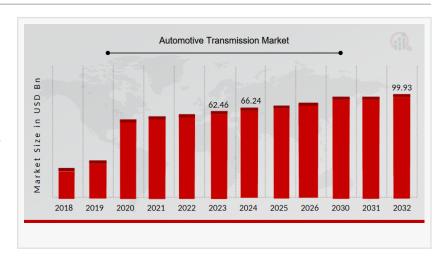


Automotive Transmission Market Poised for Robust Growth with USD 99.93 Billion Target by 2032

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NEW YORK, NY, UNITED STATES, April 9, 2025 /EINPresswire.com/ --

The <u>automotive transmission</u>
<u>market</u> plays a very important role in
the global automobile industry.
Transmission is a major part of every



vehicle. It helps the vehicle to move smoothly by transferring the engine power to the wheels. Simply put, it changes the gear ratio between the engine and the wheels so that the car can drive efficiently at different speeds. The market includes different types of transmissions like manual, automatic, semi-automatic, and CVT (Continuously Variable Transmission). Over the years, this market has grown due to the rise in vehicle production, increasing demand for fuel efficiency, and the rising preference for automatic vehicles. Both traditional cars and electric vehicles use transmission systems, though EVs often use simpler versions. The automotive transmission market is expected to grow further as more people buy cars and advanced technologies enter the market.

In 2023, the global automotive transmission market was valued at USD 62.46 billion. This market is expected to expand from USD 66.24 billion in 2024 to USD 99.93 billion by 2032, demonstrating a CAGR of 5.27% over the forecast period (2024–2032). Growth in the market is attributed to increasing consumer demand for more efficient vehicles, alongside rising adoption of technologies like dual-clutch and continuously variable transmissions replacing traditional manual and automatic systems.

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Market Overview

The automotive transmission market has seen significant changes in the last few years.

Traditionally, manual transmission was more common in vehicles. But now, more people prefer automatic and CVT transmissions due to ease of driving, especially in cities with heavy traffic. Automatic transmission vehicles allow drivers to drive without changing gears manually. This is becoming very popular among new drivers and elderly people. The market is being driven by increased car production across countries like the U.S., China, India, and Germany. Also, the rise in disposable income, urbanization, and improved road infrastructure are supporting the growth of the market. Today, most new cars, especially luxury vehicles, come with automatic transmission. The trend is also catching up in mid-range and small cars. The market size is expected to grow steadily in the future, with automatic and electric vehicles pushing the demand further.

Market Drivers

There are several reasons why the automotive transmission market is growing quickly. First, people now want cars that are more fuel-efficient and easy to drive. Automatic and CVT transmissions help in improving fuel efficiency and offer a smooth driving experience. Second, the rising number of working professionals, especially in urban areas, is creating more demand for personal vehicles with automatic transmission. These people usually drive daily and prefer vehicles that are less tiring to use. Third, the increasing popularity of electric vehicles (EVs) is helping this market grow. Even though EVs use simpler transmissions, their rising sales are adding to the overall growth. Also, new technologies such as dual-clutch transmission (DCT) and 8-speed or 10-speed automatic transmissions are attracting car buyers. Lastly, car companies are focusing on providing high-performance vehicles, and for that, modern transmission systems are essential. All these factors together are driving the market forward.

Key Companies in the Automotive Transmission Market Include:

Several global and regional companies are actively participating in the automotive transmission market. Some of the leading names include ZF Friedrichshafen AG, which is a German company known for its high-quality automatic transmissions. Another major player is Aisin Seiki Co., Ltd., a Japanese company that supplies to many car brands around the world. BorgWarner Inc. is also an important name, especially in the U.S., as it provides transmission solutions to both combustion engine vehicles and electric vehicles. Magna International Inc., based in Canada, is also a big player in this field. JATCO Ltd., which is a part of the Nissan group, is a key supplier of CVT transmissions. Other important companies include Getrag, Eaton Corporation, Honda Transmission Manufacturing, and Continental AG. These companies are investing in new technologies and working on more compact, fuel-efficient, and smart transmission systems for modern vehicles.

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Market Restraints

Even though the market is growing, there are a few challenges. One of the biggest problems is the high cost of advanced transmission systems. Automatic and dual-clutch systems are more expensive than manual transmissions, which may not be affordable for all consumers, especially in developing countries. This can limit the use of advanced systems in low-budget cars. Another issue is the complexity of these systems. Advanced transmissions require skilled technicians for repair and maintenance. In many places, especially rural or small towns, trained mechanics are not available, which can lead to service issues. Also, there is still a large number of people who prefer manual cars due to better control and lower cost, which can slow down the adoption of automatic systems. Furthermore, electric vehicles do not require complex transmission systems like traditional cars, which might reduce the overall need for advanced transmission in the long run.

Automotive Transmission Market Segmentation Insights

The automotive transmission market can be divided into different parts for better understanding. First, based on type, there are manual transmissions, automatic transmissions (AT), automated manual transmissions (AMT), dual-clutch transmissions (DCT), and continuously variable transmissions (CVT). Among these, automatic and CVT are growing the fastest due to their comfort and efficiency. On the basis of vehicle type, the market is divided into passenger cars, light commercial vehicles, and heavy commercial vehicles. Passenger cars hold the largest share because most people use them for personal use and daily commuting. By fuel type, the market includes gasoline, diesel, and electric vehicles. With more awareness about pollution and fuel cost, the shift toward electric vehicles is becoming stronger. In terms of region, the market is strong in Asia-Pacific, especially in countries like China, Japan, South Korea, and India. North America and Europe are also important markets, thanks to advanced technology and a large number of car users.

Future Scope

The future of the automotive transmission market looks very bright. With the growing demand for smart and connected vehicles, the need for advanced transmission systems will rise. Electric vehicles will become more common in the future, and companies are already working on electric drive transmissions suitable for EVs. Also, self-driving cars or autonomous vehicles are expected to increase, and these vehicles require automatic or intelligent transmission systems.

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Moreover, smart mobility solutions like ride-sharing, car rentals, and electric taxis will push car manufacturers to include more durable and efficient transmissions. In addition, car companies are focusing on lightweight and compact designs to improve fuel efficiency, and transmission makers will play a big role in achieving this. Government policies and strict emission rules are

also encouraging the use of fuel-saving transmission systems. Therefore, in the coming years, the market will move towards more eco-friendly, automatic, and digital transmission technologies that offer better control, less maintenance, and smooth driving.

In conclusion, the automotive transmission market is a vital part of the automobile industry. It helps vehicles run smoothly and efficiently. With rising demand for comfort, better performance, and fuel efficiency, the market is moving quickly towards automatic and high-tech transmission systems. While high costs and technical challenges remain, the future is full of opportunities. Leading companies are focusing on research and development to create better and smarter solutions. The shift to electric vehicles and smart transportation will also add to the growth. Whether it's a luxury car, a small car, or an electric vehicle, the importance of good transmission cannot be ignored. As technology improves and consumer preferences change, the automotive transmission market is all set for a strong and steady growth in the coming years.

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