



Automotive Transmission – A Global Outlook

Classification and analysis

According to **Global market database**, As the number of gear in an engine transmission increases, the speed ratio increases accordingly. Higher number of gear allows the engine to perform at optimum level. Vehicles with 8 gear have better fuel efficiency, better durability, and help in minimizing CO2 emission.

Lesser gear combinations are used in semi-luxury and passenger cars. The passenger car segment is growing at a steady state, so is its gearbox market. Sales of SUVs and light commercial vehicle is growing. **Market research tools** signify the status symbol associated with SUV as a growth promoter. And increased urban transportation in LCV. **[Market Outlook](#) across industries have changed in the post COVID business environment.**

Technological aspect

According to **Global market database**, based on the mode of operation gear transmission is divided into automatic transmission, manual transmission, dual-clutch transmission, and continuous variable transmission. Automatic transmission consists of a complex setup of torque ratios that are computer-controlled to give the perfect gear ratio for a given speed. They provide smooth. They are most commonly used in the North American market. The growth dynamics can be studied using Global Market Database. Global Market Database is a cost optimum **[B2B market research](#)** tool that provides **Market Research Reports For Free**.

Manual transmission is one of the simplest and oldest modes of transmission. Since it's simple in design, the cost of maintenance is low so is the cost of replacement. The market share is steadily declining due to the wider adoption of automatic transmission. According to **market research tools**, Europe is the biggest market for manual transmission.

According to **[market database](#)**, Dual-clutch Transmission is the hybrid between automatic and manual transmission, even and odd gears have two separate clutches which allows for faster shifts. Operations can be fully automatic or manual. Mainly used in race cars and high-end sports cars. They are extremely complex resulting in frequent failures and replacement is costly. Dual clutch-type as 14% of market share.

Continuous Variable Transmission(CVT), The Drive experience of Continuous variable transmissions is the same as that of automatic transmission. But the principle behind is different, CVT uses a pulley system to maintain the gear ratio, car speed, and its computer adjusts the pulley ratio. According to **market research tools**, the primary advantage is the fuel economy

Market factors for Automotive Transmission

According to **market intelligence platforms**, Due to covid-19, there is an inclination among individuals to own personal cars. The passenger car segment is anticipated to grow rapidly. Due to growing awareness of climate change and favorable government policies aimed at faster EV adoption is further expected to drive the market. According to **market research**, The Netherlands has the highest EV adoption thanks to pro-electric policies. The market share of a manual transmission is expected to fall significantly due to growing interest in automotive transmission. Firms are offering automatic transmission in the passenger segment to attract customers. According to **Global market database**, The automotive transmission market is heavily dependent on the global automobile market. The auto market is seriously affected due to covid-19. But the demand is expected to catch up soon. As customer inclination towards personal vehicles increases, the market is projected to boom. Hybrids and Evs are other high growth potential areas.

European Market Perspective

According to **Global market database**, Market penetration for automatic transmission is low in Europe when compared to America. Fuel efficiency is critical in most European markets. The continent is home to some of the biggest auto players and has a well-established market. The passenger car segment is expected to be the major driving factor for the market. According to **market research**, EV acceptance is huge in Europe, this has attracted many outside players aiming to exploit the market. A major Chinese Electric car maker is eyeing Europe as a major market. A major American car player has a deadline to go all-electric by 2030. The future market projects look healthy in Europe.