

Automotive Transmission Market Forecasts to 2034 – Global Analysis By Transmission Type (Manual Transmission (MT), Automatic Transmission (AT), Automated Manual Transmission (AMT), Continuously Variable Transmission (CVT), Dual-Clutch Transmission (DCT), and Electric Vehicle Transmission), Fuel Type, Drive Type, Number of Gears, Component, Sales Channel and By Geography

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Abstracts

According to Statistics MRC, the Global Automotive Transmission Market is accounted for \$185.6 billion in 2026 and is expected to reach \$268.4 billion by 2034, growing at a CAGR of 4.7% during the forecast period. An automotive transmission is a mechanical or electromechanical system that transfers power from the engine or electric motor to the drive wheels, converting torque and speed to meet varying driving conditions. Transmissions are essential components that enable vehicles to operate efficiently across a wide range of speeds, from starting from a standstill to high-speed cruising. The market encompasses various transmission types, including manual, automatic, continuously variable, dual-clutch, and specialized transmissions for electric vehicles.

Market Dynamics:

Driver:

Increasing global vehicle production and demand for fuel efficiency

The primary driver for the automotive transmission market is the sustained global

growth in vehicle production and the increasingly stringent fuel efficiency regulations worldwide. As vehicle production volumes continue to rise in emerging markets and stabilize in developed regions, the demand for transmissions grows correspondingly. Simultaneously, governments across the globe are implementing aggressive fuel economy standards and emission reduction targets that compel automakers to adopt advanced transmission technologies. Modern transmissions with more gears, advanced control systems, and optimized shift strategies significantly improve fuel efficiency by keeping engines operating in their most efficient range. The integration of hybrid technologies with sophisticated transmissions further enhances efficiency gains, driving continuous innovation in transmission technology.

Restraint:

High development costs and technological complexity

The automotive transmission market faces significant challenges due to the substantial research and development investment required for advanced transmission systems. Developing new transmissions with increased gear counts, improved efficiency, and enhanced durability demands sophisticated engineering, extensive testing, and specialized manufacturing capabilities. The integration of complex electronics, software controls, and actuation systems adds layers of complexity and cost. For electric vehicle transmissions, which require entirely different design approaches, the development costs are particularly high. These financial barriers create significant challenges for smaller suppliers and limit the pace of innovation. Additionally, the need to maintain compatibility with diverse vehicle architectures across global markets further compounds development complexity.

Opportunity:

Rapid growth of electric vehicles and specialized EV transmission solutions

The accelerating global shift toward electric vehicles presents a significant opportunity for the automotive transmission market. While traditional transmissions are being phased out in favor of simpler systems for EVs, the growing diversity of electric vehicle architectures is creating demand for specialized transmission solutions. Battery electric vehicles with high-speed motors require single-speed or two-speed transmissions optimized for electric powertrains. Performance-oriented EVs and commercial applications are driving demand for multi-speed transmissions that enhance efficiency and performance. Additionally, the growing popularity of electric axle and integrated

drive unit configurations is opening new markets. Manufacturers who can develop innovative, efficient, and cost-effective EV transmission solutions are well-positioned to capture substantial market share.

Threat:

Electrification trends reducing demand for traditional transmissions

The automotive transmission market faces a significant long-term threat from the global transition toward vehicle electrification, which is fundamentally changing transmission requirements. Battery electric vehicles typically use single-speed transmissions or direct-drive configurations, eliminating the need for complex multi-speed transmissions. This trend threatens the established market for conventional automatic, manual, and automated manual transmissions. As internal combustion engine production declines and EV production increases, traditional transmission volumes are expected to decrease significantly. Suppliers heavily dependent on conventional transmission technologies must adapt their product portfolios to remain competitive. The speed of this transition creates uncertainty and requires careful strategic planning.

Covid-19 Impact:

The COVID-19 pandemic significantly impacted the Automotive Transmission Market through factory closures, supply chain disruptions, and reduced vehicle production globally. The semiconductor shortage that emerged during the pandemic particularly affected transmission electronic components, leading to production delays. However, the crisis also accelerated several market trends. The shift toward digital manufacturing and Industry 4.0 accelerated as manufacturers sought to enhance supply chain resilience. Government stimulus packages emphasizing green technologies and electric vehicles further accelerated the shift toward electrification. The pandemic highlighted the vulnerability of the automotive supply chain, leading to increased investment in localization and vertical integration. These factors are reshaping the industry's competitive dynamics.

The automatic transmission segment is expected to be the largest during the forecast period

The automatic transmission segment is expected to dominate the market, driven by increasing consumer preference for convenience and comfort in both passenger and commercial vehicles. Automatic transmissions eliminate the need for manual clutch

operation and gear shifting, providing a more relaxed driving experience. The growing penetration of automatic transmissions in emerging markets and their established dominance in developed regions ensure this segment's market leadership.

The electric vehicle transmission segment is expected to have the highest CAGR during the forecast period

The electric vehicle transmission segment is predicted to witness the highest growth rate, fueled by the rapid global transition toward vehicle electrification. As dedicated EV platforms proliferate, specialized transmissions optimized for electric powertrains are in growing demand. The development of multi-speed EV transmissions for performance applications and commercial vehicles creates significant opportunities in this segment.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, driven by massive vehicle production volumes in China, Japan, India, and Southeast Asia. The region's dominance in global automotive manufacturing, combined with rapid economic growth and increasing vehicle ownership rates, solidifies its leading position in the transmission market.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, propelled by rising vehicle production, growing consumer demand, and increasing automation trends. China's rapid shift toward EVs and sophisticated transmission technology creates significant opportunities. The region's expanding middle class and automotive infrastructure development drive exceptional growth.

Key players in the market

Some of the key players in the Automotive Transmission Market include ZF Friedrichshafen, AISIN Corporation, JATCO Ltd., Magna International, Schaeffler AG, BorgWarner, Allison Transmission, Eaton Corporation, Hyundai Transys, GKN Automotive, Dana Incorporated, Continental AG, Ricardo PLC, Stellantis Transmission Systems, and AVL List GmbH.

Key Developments:

In February 2026, ZF Friedrichshafen announced the launch of its new 8-speed hybrid transmission designed for next-generation plug-in hybrid vehicles. The new transmission features a compact design with an integrated electric motor, offering improved efficiency and seamless power delivery between combustion engine and electric drive. The system can handle up to 160 kW of electric power and supports 800V charging architecture.

In February 2026, AISIN Corporation announced a strategic partnership with a leading electric vehicle manufacturer to develop a specialized transmission system for high-performance EVs. The collaboration focuses on creating a two-speed transmission optimized for improved acceleration and range efficiency. The partnership leverages AISIN's expertise in transmission technology and the manufacturer's advanced EV platform capabilities.

Transmission Types Covered:

Manual Transmission (MT)

Automatic Transmission (AT)

Automated Manual Transmission (AMT)

Continuously Variable Transmission (CVT)

Dual-Clutch Transmission (DCT)

Electric Vehicle Transmission

Fuel Types Covered:

Gasoline Vehicles

Diesel Vehicles

Hybrid Vehicles

Battery Electric Vehicles (BEVs)

Fuel Cell Electric Vehicles (FCEVs)

Drive Types Covered:

Front-Wheel Drive (FWD)

Rear-Wheel Drive (RWD)

All-Wheel Drive (AWD)

Four-Wheel Drive (4WD)

Number of Gears Covered:

Up to 5 Gears

6 Gears

7 Gears

8 Gears

9 Gears

10 Gears and Above

Single-Speed Transmission

Components Covered:

Gear Sets

Clutch Systems

Torque Converters

Shafts

Bearings

Transmission Control Units (TCUs)

Hydraulic Systems

Sensors and Actuators

Differential Systems

Sales Channels Covered:

Original Equipment Manufacturer (OEM)

Aftermarket

End Users Covered:

Municipal Water Utilities

Industrial Facilities

Marine

Environmental Agencies

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL AUTOMOTIVE TRANSMISSION MARKET, BY TRANSMISSION TYPE

- 5.1 Manual Transmission (MT)
 - 5.1.1 5-Speed Manual
 - 5.1.2 6-Speed Manual
- 5.2 Automatic Transmission (AT)
- 5.3 Automated Manual Transmission (AMT)
- 5.4 Continuously Variable Transmission (CVT)
- 5.5 Dual-Clutch Transmission (DCT)
- 5.6 Electric Vehicle Transmission

6 GLOBAL AUTOMOTIVE TRANSMISSION MARKET, BY FUEL TYPE

- 6.1 Gasoline Vehicles
- 6.2 Diesel Vehicles
- 6.3 Hybrid Vehicles
 - 6.3.1 Mild Hybrid
 - 6.3.2 Full Hybrid
 - 6.3.3 Plug-in Hybrid
- 6.4 Battery Electric Vehicles (BEVs)
- 6.5 Fuel Cell Electric Vehicles (FCEVs)

7 GLOBAL AUTOMOTIVE TRANSMISSION MARKET, BY DRIVE TYPE

- 7.1 Front-Wheel Drive (FWD)
- 7.2 Rear-Wheel Drive (RWD)
- 7.3 All-Wheel Drive (AWD)
- 7.4 Four-Wheel Drive (4WD)

8 GLOBAL AUTOMOTIVE TRANSMISSION MARKET, BY NUMBER OF GEARS

- 8.1 Up to 5 Gears
- 8.2 6 Gears
- 8.3 7 Gears
- 8.4 8 Gears

8.5 9 Gears

8.6 10 Gears and Above

8.7 Single-Speed Transmission

9 GLOBAL AUTOMOTIVE TRANSMISSION MARKET, BY COMPONENT

9.1 Gear Sets

9.2 Clutch Systems

9.3 Torque Converters

9.4 Shafts

9.5 Bearings

9.6 Transmission Control Units (TCUs)

9.7 Hydraulic Systems

9.8 Sensors and Actuators

9.9 Differential Systems

10 GLOBAL AUTOMOTIVE TRANSMISSION MARKET, BY SALES CHANNEL

10.1 Original Equipment Manufacturer (OEM)

10.2 Aftermarket

11 GLOBAL AUTOMOTIVE TRANSMISSION MARKET, BY GEOGRAPHY

11.1 North America

11.1.1 United States

11.1.2 Canada

11.1.3 Mexico

11.2 Europe

11.2.1 United Kingdom

11.2.2 Germany

11.2.3 France

11.2.4 Italy

11.2.5 Spain

11.2.6 Netherlands

11.2.7 Belgium

11.2.8 Sweden

11.2.9 Switzerland

11.2.10 Poland

11.2.11 Rest of Europe

11.3 Asia Pacific

11.3.1 China

11.3.2 Japan

11.3.3 India

11.3.4 South Korea

11.3.5 Australia

11.3.6 Indonesia

11.3.7 Thailand

11.3.8 Malaysia

11.3.9 Singapore

11.3.10 Vietnam

11.3.11 Rest of Asia Pacific

11.4 South America

11.4.1 Brazil

11.4.2 Argentina

11.4.3 Colombia

11.4.4 Chile

11.4.5 Peru

11.4.6 Rest of South America

11.5 Rest of the World (RoW)

11.5.1 Middle East

11.5.1.1 Saudi Arabia

11.5.1.2 United Arab Emirates

11.5.1.3 Qatar

11.5.1.4 Israel

11.5.1.5 Rest of Middle East

11.5.2 Africa

11.5.2.1 South Africa

11.5.2.2 Egypt

11.5.2.3 Morocco

11.5.2.4 Rest of Africa

12 STRATEGIC MARKET INTELLIGENCE

12.1 Industry Value Network and Supply Chain Assessment

12.2 White-Space and Opportunity Mapping

12.3 Product Evolution and Market Life Cycle Analysis

12.4 Channel, Distributor, and Go-to-Market Assessment

13 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 13.1 Mergers and Acquisitions
- 13.2 Partnerships, Alliances, and Joint Ventures
- 13.3 New Product Launches and Certifications
- 13.4 Capacity Expansion and Investments
- 13.5 Other Strategic Initiatives

14 COMPANY PROFILES

- 14.1 ZF Friedrichshafen
- 14.2 AISIN Corporation
- 14.3 JATCO Ltd.
- 14.4 Magna International
- 14.5 Schaeffler AG
- 14.6 BorgWarner
- 14.7 Allison Transmission
- 14.8 Eaton Corporation
- 14.9 Hyundai Transys
- 14.10 GKN Automotive
- 14.11 Dana Incorporated
- 14.12 Continental AG
- 14.13 Ricardo PLC
- 14.14 Stellantis Transmission Systems
- 14.15 AVL List GmbH

List Of Tables

LIST OF TABLES

Table 1 Global Automotive Transmission Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Automotive Transmission Market Outlook, By Transmission Type (2023-2034) (\$MN)

Table 3 Global Automotive Transmission Market Outlook, By Manual Transmission (MT) (2023-2034) (\$MN)

Table 4 Global Automotive Transmission Market Outlook, By 5-Speed Manual (2023-2034) (\$MN)

Table 5 Global Automotive Transmission Market Outlook, By 6-Speed Manual (2023-2034) (\$MN)

Table 6 Global Automotive Transmission Market Outlook, By Automatic Transmission (AT) (2023-2034) (\$MN)

Table 7 Global Automotive Transmission Market Outlook, By Automated Manual Transmission (AMT) (2023-2034) (\$MN)

Table 8 Global Automotive Transmission Market Outlook, By Continuously Variable Transmission (CVT) (2023-2034) (\$MN)

Table 9 Global Automotive Transmission Market Outlook, By Dual-Clutch Transmission (DCT) (2023-2034) (\$MN)

Table 10 Global Automotive Transmission Market Outlook, By Electric Vehicle Transmission (2023-2034) (\$MN)

Table 11 Global Automotive Transmission Market Outlook, By Fuel Type (2023-2034) (\$MN)

Table 12 Global Automotive Transmission Market Outlook, By Gasoline Vehicles (2023-2034) (\$MN)

Table 13 Global Automotive Transmission Market Outlook, By Diesel Vehicles (2023-2034) (\$MN)

Table 14 Global Automotive Transmission Market Outlook, By Hybrid Vehicles (2023-2034) (\$MN)

Table 15 Global Automotive Transmission Market Outlook, By Mild Hybrid (2023-2034) (\$MN)

Table 16 Global Automotive Transmission Market Outlook, By Full Hybrid (2023-2034) (\$MN)

Table 17 Global Automotive Transmission Market Outlook, By Plug-in Hybrid (2023-2034) (\$MN)

Table 18 Global Automotive Transmission Market Outlook, By Battery Electric Vehicles

(BEVs) (2023-2034) (\$MN)

Table 19 Global Automotive Transmission Market Outlook, By Fuel Cell Electric Vehicles (FCEVs) (2023-2034) (\$MN)

Table 20 Global Automotive Transmission Market Outlook, By Drive Type (2023-2034) (\$MN)

Table 21 Global Automotive Transmission Market Outlook, By Front-Wheel Drive (FWD) (2023-2034) (\$MN)

Table 22 Global Automotive Transmission Market Outlook, By Rear-Wheel Drive (RWD) (2023-2034) (\$MN)

Table 23 Global Automotive Transmission Market Outlook, By All-Wheel Drive (AWD) (2023-2034) (\$MN)

Table 24 Global Automotive Transmission Market Outlook, By Four-Wheel Drive (4WD) (2023-2034) (\$MN)

Table 25 Global Automotive Transmission Market Outlook, By Number of Gears (2023-2034) (\$MN)

Table 26 Global Automotive Transmission Market Outlook, By Up to 5 Gears (2023-2034) (\$MN)

Table 27 Global Automotive Transmission Market Outlook, By 6 Gears (2023-2034) (\$MN)

Table 28 Global Automotive Transmission Market Outlook, By 7 Gears (2023-2034) (\$MN)

Table 29 Global Automotive Transmission Market Outlook, By 8 Gears (2023-2034) (\$MN)

Table 30 Global Automotive Transmission Market Outlook, By 9 Gears (2023-2034) (\$MN)

Table 31 Global Automotive Transmission Market Outlook, By 10 Gears and Above (2023-2034) (\$MN)

Table 32 Global Automotive Transmission Market Outlook, By Single-Speed Transmission (2023-2034) (\$MN)

Table 33 Global Automotive Transmission Market Outlook, By Component (2023-2034) (\$MN)

Table 34 Global Automotive Transmission Market Outlook, By Gear Sets (2023-2034) (\$MN)

Table 35 Global Automotive Transmission Market Outlook, By Clutch Systems (2023-2034) (\$MN)

Table 36 Global Automotive Transmission Market Outlook, By Torque Converters (2023-2034) (\$MN)

Table 37 Global Automotive Transmission Market Outlook, By Shafts (2023-2034) (\$MN)

Table 38 Global Automotive Transmission Market Outlook, By Bearings (2023-2034) (\$MN)

Table 39 Global Automotive Transmission Market Outlook, By Transmission Control Units (TCUs) (2023-2034) (\$MN)

Table 40 Global Automotive Transmission Market Outlook, By Hydraulic Systems (2023-2034) (\$MN)

Table 41 Global Automotive Transmission Market Outlook, By Sensors and Actuators (2023-2034) (\$MN)

Table 42 Global Automotive Transmission Market Outlook, By Differential Systems (2023-2034) (\$MN)

Table 43 Global Automotive Transmission Market Outlook, By Sales Channel (2023-2034) (\$MN)

Table 44 Global Automotive Transmission Market Outlook, By Original Equipment Manufacturer (OEM) (2023-2034) (\$MN)

Table 45 Global Automotive Transmission Market Outlook, By Aftermarket (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

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