

Automotive Steering System Market Forecasts to 2034 – Global Analysis By Steering Type (Manual Steering System, Hydraulic Power Steering (HPS), Electro-Hydraulic Power Steering (EHPS), and Electric Power Steering (EPS)), Component, Propulsion Type, Level of Automation, Application, Sales Channel and By Geography

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Abstracts

According to Statistics MRC, the Global Automotive Steering System Market is accounted for \$35.2 billion in 2026 and is expected to reach \$55.8 billion by 2034, growing at a CAGR of 5.9% during the forecast period. An automotive steering system is a critical vehicle control mechanism that enables the driver or automated system to direct the vehicle's path by converting steering inputs into wheel movement. Steering systems have evolved significantly from purely mechanical linkages to advanced electronically controlled systems that provide variable assist, enhanced stability, and integration with driver assistance features. Modern steering systems include electric power steering, which offers improved fuel efficiency, precise control, and the ability to support advanced driver assistance functions.

Market Dynamics:

Driver:

Increasing demand for fuel efficiency and advanced safety features

The primary driver for the automotive steering system market is the growing demand for fuel-efficient vehicles and the increasing integration of advanced safety features.

Electric power steering systems have largely replaced hydraulic systems due to their superior energy efficiency, as they only consume power when steering assistance is required. This efficiency improvement is critical for meeting stringent fuel economy standards. Additionally, steering systems are becoming increasingly integrated with advanced driver assistance systems, including lane keeping assistance, automated parking, and emergency steering interventions. The growing consumer demand for safety and convenience features is driving adoption of advanced steering technologies that support these functions.

Restraint:

High development costs and complex integration requirements

The automotive steering system market faces significant challenges due to the substantial investment required for developing advanced steering technologies and the complexity of integrating them with other vehicle systems. Steering systems are safety-critical components requiring extensive validation and testing to meet regulatory and reliability standards. The development of steer-by-wire systems, which eliminate mechanical connections, requires entirely new engineering approaches and software development. Additionally, the integration of steering systems with ADAS and autonomous driving functions demands sophisticated control algorithms and redundancy architectures. These development costs and complexity requirements create significant barriers to entry for new suppliers.

Opportunity:

Growing adoption of steer-by-wire and advanced steering technologies

The emerging adoption of steer-by-wire technology presents a significant opportunity for the automotive steering system market. Steer-by-wire eliminates the mechanical link between the steering wheel and the wheels, enabling greater flexibility in vehicle design, improved packaging, and enhanced steering feel customization. This technology also enables new vehicle architectures without steering columns, which can improve cabin design flexibility and occupant safety. Additionally, steer-by-wire is essential for Level 4 and Level 5 autonomous vehicles, where traditional mechanical steering may be eliminated entirely. As automated driving technology advances, the demand for steer-by-wire systems is expected to accelerate significantly, creating substantial opportunities for steering system manufacturers.

Threat:

Cybersecurity risks in connected steering systems

The automotive steering system market faces a significant threat from cybersecurity vulnerabilities as steering systems become increasingly connected and software-dependent. Advanced steering systems with electronic control units, sensor inputs, and communication networks are potential targets for cyberattacks. A successful attack could result in loss of steering control, posing life-threatening safety risks. The growing integration of steering systems with vehicle-to-everything communication further expands the attack surface. Manufacturers must invest heavily in cybersecurity measures, including secure communication protocols, encryption, and intrusion detection systems. The constantly evolving threat landscape requires continuous vigilance and adaptation, adding to development costs and complexity.

Covid-19 Impact:

The COVID-19 pandemic significantly impacted the Automotive Steering System Market through supply chain disruptions, factory closures, and reduced vehicle production. The semiconductor shortage particularly affected EPS system production, as these systems rely on electronic control units and sensors. However, the crisis also accelerated several market trends beneficial to the steering market. The focus on vehicle safety and health increased demand for advanced driver assistance features. Government stimulus packages emphasizing green technologies accelerated the shift toward fuel-efficient vehicles. The semiconductor shortage highlighted the importance of supply chain resilience and vertical integration. As the automotive industry recovers, the momentum toward advanced steering technologies and vehicle automation continues to strengthen.

The electric power steering segment is expected to be the largest during the forecast period

The electric power steering segment is expected to dominate the market, driven by its superior fuel efficiency, precise control, and ability to integrate with ADAS functions. EPS systems are the preferred choice for modern vehicles due to their energy efficiency and advanced feature support. The widespread adoption of EPS across all vehicle types ensures this segment's continued market leadership.

The electric power steering segment is expected to have the highest CAGR during the forecast period

The electric power steering segment is also predicted to witness the highest growth rate, fueled by the increasing adoption of advanced driver assistance systems and the shift toward vehicle electrification. EPS technology continues to evolve with enhanced capabilities for autonomous driving. The growing focus on safety and fuel efficiency drives exceptional growth 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 automotive production volumes in China, Japan, India, and South Korea. The region's dominance in global vehicle manufacturing and the presence of major steering system suppliers solidifies its leading position in the market.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, propelled by rapid automotive production growth, increasing vehicle ownership, and the adoption of advanced steering technologies. Rising safety awareness and government regulations for fuel efficiency and safety create significant growth opportunities in this region.

Key players in the market

Some of the key players in the Automotive Steering System Market include JTEKT Corporation, NSK Ltd., Nexteer Automotive, Robert Bosch GmbH, ZF Friedrichshafen, Hyundai Mobis, Mando Corporation, Schaeffler AG, Hitachi Astemo, Thyssenkrupp AG, Showa Corporation, Knorr-Bremse, ATS Automation, China Automotive Systems, and Continental AG.

Key Developments:

In February 2026, Nexteer Automotive announced the launch of its next-generation steer-by-wire system, featuring advanced haptic feedback and fail-operational architecture. The new system eliminates the mechanical steering column, enabling new vehicle packaging possibilities and enhanced driver comfort. The technology includes redundant power and communication systems for enhanced safety and reliability, with production expected to begin in early 2027.

In February 2026, JTEKT Corporation announced a strategic partnership with a leading autonomous vehicle technology company to develop advanced steering systems for next-generation autonomous vehicles. The collaboration focuses on creating highly reliable, fail-operational steering solutions that support Level 4 and Level 5 automation. The partnership leverages JTEKT's steering technology expertise and the partner's autonomous driving software capabilities.

Steering Types Covered:

Manual Steering System

Hydraulic Power Steering (HPS)

Electro-Hydraulic Power Steering (EHPS)

Electric Power Steering (EPS)

Components Covered:

Steering Wheel

Steering Column

Steering Gear

Electric Motor

Torque Sensor

Electronic Control Unit (ECU)

Hydraulic Pump

Steering Shaft

Steering Knuckle

Intermediate Shaft

Propulsion Types Covered:

Internal Combustion Engine (ICE) Vehicles

Hybrid Electric Vehicles (HEVs)

Plug-in Hybrid Electric Vehicles (PHEVs)

Battery Electric Vehicles (BEVs)

Fuel Cell Electric Vehicles (FCEVs)

Level of Automations Covered:

Non-Autonomous Vehicles

Semi-Autonomous Vehicles

Applications Covered:

Conventional Steering

Advanced Driver Assistance Systems (ADAS) Integration

Autonomous Driving Systems

Lane Keeping Assistance

Automated Parking Systems

Vehicle Stability Control Integration

Sales Channels Covered:

OEM

Aftermarket

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

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