

Global Drive-by-Wire Steering Actuator Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Drive-by-Wire Steering Actuator market size was valued at US\$ 535 million in 2025 and is forecast to a readjusted size of US\$ 1717 million by 2032 with a CAGR of 18.1% during review period.

In 2025, global Drive-by-Wire Steering Actuator production reached approximately 2.00 million units, with an average global market price of around US\$260 per unit.

The gross profit margin of major companies in the industry is between 28%-48%.

In 2025, the global production capacity of Drive-by-Wire Steering Actuator was approximately 2.67 million units.

Drive-by-Wire Steering Actuator is an electromechanical steering control component used in steer-by-wire systems to convert electronic control signals into precise steering motion. It replaces or reduces mechanical steering linkages and supports redundancy control, lane keeping, automated driving, variable steering ratio, vehicle stability, and intelligent chassis functions in advanced electric and autonomous vehicles.

The industrial chain of Drive-by-Wire Steering Actuator covers upstream motors, gear sets, torque sensors, position sensors, controllers, bearings, housings, connectors, circuit boards, and safety software. The midstream consists of actuator design, precision machining, motor integration, control calibration, redundancy testing, environmental testing, and vehicle validation. Downstream applications mainly include electric vehicles, autonomous driving platforms, intelligent chassis systems, passenger

cars, commercial vehicles, and advanced driver assistance systems.

This report is a detailed and comprehensive analysis for global Drive-by-Wire Steering Actuator market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Drive-by-Wire Steering Actuator market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Drive-by-Wire Steering Actuator market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Drive-by-Wire Steering Actuator market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Drive-by-Wire Steering Actuator market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Drive-by-Wire Steering Actuator

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Drive-by-Wire Steering Actuator market based on the following parameters - company overview, sales quantity, revenue, price,

gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bosch, ZF Friedrichshafen AG, Nexteer Automotive, JTEKT Corporation, NSK Ltd., Hitachi Astemo, Mando Corporation, Schaeffler AG, thyssenkrupp Steering, Danfoss Editron, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Drive-by-Wire Steering Actuator market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Electric Steering Actuator

Electro-Hydraulic Steering Actuator

Redundant Steering Actuator

Market segment by System Position

Steering Column Actuator

Rack-Mounted Steering Actuator

Wheel-End Steering Actuator

Market segment by Output Torque

Low Torque (<50Nm)

Medium Torque (50-150Nm)

High Torque (?150Nm)

Market segment by Application

Autonomous Driving Steering Control

Advanced Driver Assistance Steering

Chassis Redundancy Control

Other

Major players covered

Bosch

ZF Friedrichshafen AG

Nexteer Automotive

JTEKT Corporation

NSK Ltd.

Hitachi Astemo

Mando Corporation

Schaeffler AG

thyssenkrupp Steering

Danfoss Editron

Bethel Automotive Safety Systems

Tuopu Group

Inovance Automotive

Shanghai Tongyu Automotive Technology Co., Ltd.

Nexteer Automotive (China)

Tianjin Deco Intelligent Control Co., Ltd.

Joyson Electronics Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Drive-by-Wire Steering Actuator product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Drive-by-Wire Steering Actuator, with price, sales quantity, revenue, and global market share of Drive-by-Wire Steering Actuator from 2021 to 2026.

Chapter 3, the Drive-by-Wire Steering Actuator competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Drive-by-Wire Steering Actuator breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Drive-by-Wire Steering Actuator market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Drive-by-Wire Steering Actuator.

Chapter 14 and 15, to describe Drive-by-Wire Steering Actuator sales channel, distributors, customers, research findings and conclusion.

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