

Global Automotive Torque Motor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Torque Motor market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

An automotive torque motor is an electric motor specifically designed to provide torque, which is the rotational force required to perform mechanical work, in automotive applications. These motors are used in various systems within a vehicle, such as power steering, throttle control, and braking systems. The torque motor's ability to generate precise and controlled torque is essential for the efficient functioning of these automotive systems.

The market for Automotive Torque Motors is influenced by the increasing electrification of vehicles and the demand for enhanced control and efficiency in automotive systems. Key aspects of the market include:

Electric Power Steering (EPS):

Torque motors play a crucial role in electric power steering systems, providing the necessary assistance to the driver for steering control.

Throttle Control Systems:

In throttle-by-wire systems, torque motors are utilized to control the opening and closing of the throttle valve, enabling precise acceleration control.

Brake-By-Wire Systems:

Automotive torque motors are employed in brake-by-wire systems to control braking force, allowing for advanced features like regenerative braking.

The Global Info Research report includes an overview of the development of the Automotive Torque Motor industry chain, the market status of Electronic Throttle Control (ETC) (Pneumatic, Electric), Turbocharger (Pneumatic, Electric), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Torque Motor.

Regionally, the report analyzes the Automotive Torque Motor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Torque Motor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Torque Motor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Torque Motor industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Pneumatic, Electric).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Torque Motor market.

Regional Analysis: The report involves examining the Automotive Torque Motor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Torque Motor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Torque Motor:

Company Analysis: Report covers individual Automotive Torque Motor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Torque Motor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electronic Throttle Control (ETC), Turbocharger).

Technology Analysis: Report covers specific technologies relevant to Automotive Torque Motor. It assesses the current state, advancements, and potential future developments in Automotive Torque Motor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive Torque Motor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive Torque Motor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Pneumatic

Electric

Mechanical

Market segment by Application

Electronic Throttle Control (ETC)

Turbocharger

Exhaust Gas Circulation (EGR)

Others

Major players covered

NSK Ltd.

HIWIN Technologies Corp.

Mabuchi Motor Co., Ltd.

MITSUBA Corporation

Continental AG

Johnson Electric Holdings Limited

CTS Corporation

ElectroCraft, Inc. (DMI Technology Corporation)

Val-Matic Valve & Manufacturing Corporation (A.Y. McDonald Manufacturing Company)

Bray International, Inc.

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 Automotive Torque Motor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Torque Motor, with price, sales, revenue and global market share of Automotive Torque Motor from 2019 to 2024.

Chapter 3, the Automotive Torque Motor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Torque Motor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Automotive Torque Motor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Automotive Torque Motor.

Chapter 14 and 15, to describe Automotive Torque Motor sales channel, distributors, customers, research findings and conclusion.

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