

Global Electro-Mechanical Brake (EMB) System 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 Electro-Mechanical Brake (EMB) System 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.

Currently, Brake-by-Wire is mainly divided into Electro-Hydraulic Brake (EHB) and Electro-Mechanical Brake (EMB). EHB evolves from the traditional hydraulic brake system. Compared with the traditional hydraulic brake system, EHB boasts a more compact structure and better braking efficiency. It is currently the main mass production solution of the Brake-by-Wire system. Bosch IPB/iBooster, Continental MK C1/MK C2, ZF TRW IBC, Bethel Automotive Safety Systems WCBS, etc. are all EHB solutions. EMB completely abandons brake fluid and hydraulic pipelines that are seen in the traditional brake system, but uses the motor to drive the brake to generate the braking force. It is a true Brake-byWire system and is expected to become the development trend. At present, there are no mature EMB products on the market. Major foreign companies such as Brembo, Mando, and Haldex have displayed or released related products, and they may get a head start in future marketization.

The key players of Electro-Mechanical Brake (EMB) include Brembo, Haldex VIE and Exquisite Automotive Systems, etc. The top three players hold a share over 83%. Asia-Pacific is the largest market, has a share about 37%. In terms of product type, Passenger Car EMB is the largest segment, occupied for a share of about 85%, and for application, and in terms of application, New Energy Vehicles has a share about 72%.

The Global Info Research report includes an overview of the development of the Electro-Mechanical Brake (EMB) System industry chain, the market status of Conventional Fuel



Vehicles (Passenger Car EMB, Commercial Vehicle EMB), New Energy Vehicles (Passenger Car EMB, Commercial Vehicle EMB), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Electro-Mechanical Brake (EMB) System.

Regionally, the report analyzes the Electro-Mechanical Brake (EMB) System 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 Electro-Mechanical Brake (EMB) System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Electro-Mechanical Brake (EMB) System 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 Electro-Mechanical Brake (EMB) System 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 Sets), revenue generated, and market share of different by Type (e.g., Passenger Car EMB, Commercial Vehicle EMB).

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 Electro-Mechanical Brake (EMB) System market.

Regional Analysis: The report involves examining the Electro-Mechanical Brake (EMB) System 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 Electro-Mechanical Brake (EMB) System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.



The report also involves a more granular approach to Electro-Mechanical Brake (EMB) System:

Company Analysis: Report covers individual Electro-Mechanical Brake (EMB) System 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 Electro-Mechanical Brake (EMB) System This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Conventional Fuel Vehicles, New Energy Vehicles).

Technology Analysis: Report covers specific technologies relevant to Electro-Mechanical Brake (EMB) System. It assesses the current state, advancements, and potential future developments in Electro-Mechanical Brake (EMB) System areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Electro-Mechanical Brake (EMB) System 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

Electro-Mechanical Brake (EMB) System 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

Passenger Car EMB

Commercial Vehicle EMB



Market segment by Application

Conventional Fuel Vehicles

New Energy Vehicles

Major players covered

Brembo

Haldex VIE

Exquisite Automotive Systems

HL Mando

Jiongyi Electronic

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 Electro-Mechanical Brake (EMB) System product scope, market overview, market estimation caveats and base year.



Chapter 2, to profile the top manufacturers of Electro-Mechanical Brake (EMB) System, with price, sales, revenue and global market share of Electro-Mechanical Brake (EMB) System from 2019 to 2024.

Chapter 3, the Electro-Mechanical Brake (EMB) System competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Electro-Mechanical Brake (EMB) System 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 Electro-Mechanical Brake (EMB) System 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 Electro-Mechanical Brake (EMB) System.

Chapter 14 and 15, to describe Electro-Mechanical Brake (EMB) System sales channel, distributors, customers, research findings and conclusion.



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