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Global Rail Vehicle Electro Mechanical Brake Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Rail Vehicle Electro Mechanical Brake market size was valued at US$ 58 million in 2024 and is forecast to a readjusted size of USD 75.5 million by 2031 with a CAGR of 3.9% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

There are many braking methods for rail vehicles?this report mainly counts the Electro-Mechanical Brake.

Electro-Mechanical Brake refers to magnetic track brake (Mg brake), is a brake for rail vehicles.

It consists of brake magnets, pole shoes, a suspension, a power transmission and, in the case of mainline railroads, a track rod. When current flows through the magnet coil, the magnet is attracted to the rail, which presses the pole shoes against the rail, thereby decelerating the vehicle.

Population growth and increasing demand for transportation across the globe. Growing interest in travel, especially in metros, high-speed trains, and fast trains, will influence the growth of the market.

The market is constantly changing, and the following points are worth noting:

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Market:

Technological advancements in rail vehicles, bullet trains, and other fast trains require efficient braking systems to control the speed of long trains, thereby driving market growth.

Increasing investments by governments in railway construction have boosted the development of the train electromechanical brake industry. Currently, governments around the world are investing huge budgets to improve existing railway infrastructure. Countries such as India, China, the Philippines, and Thailand are investing a lot of money to strengthen railways.

Regional Analysis:

Asia Pacific is expected to dominate the railway brake system market, which can be attributed to the growing population in the region, which requires transportation in countries such as India, China, leading to a growing demand for metro trains.

Latest Highlights:

In October 2023, Siemens Brakes launched a new airless brake system.

This report is a detailed and comprehensive analysis for global Rail Vehicle Electro Mechanical Brake 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 Rail Vehicle Electro Mechanical Brake market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2020-2031

Global Rail Vehicle Electro Mechanical Brake market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2020-2031

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Global Rail Vehicle Electro Mechanical Brake market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2020-2031

Global Rail Vehicle Electro Mechanical Brake market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 2020-2025

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 Rail Vehicle Electro Mechanical Brake

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 Rail Vehicle Electro Mechanical Brake 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 DAKO-CZ, Knorr-Bremse Group, HANNING & KAHL, Wabtec, Schwarzer-Bremse, etc.

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

Market Segmentation

Rail Vehicle Electro Mechanical Brake market is split by Type and by Application. For the period 2020-2031, 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

Rigid Electro-Mechanical Brake

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Articulated Electro-Mechanical Brake

Market segment by Application

Train

Subway

Major players covered

DAKO-CZ

Knorr-Bremse Group

HANNING & KAHL

Wabtec

Schwarzer-Bremse

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)

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

Chapter 1, to describe Rail Vehicle Electro Mechanical Brake product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Rail Vehicle Electro Mechanical Brake, with price, sales quantity, revenue, and global market share of Rail Vehicle Electro Mechanical Brake from 2020 to 2025.

Chapter 3, the Rail Vehicle Electro Mechanical Brake competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Rail Vehicle Electro Mechanical Brake breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025.and Rail Vehicle Electro Mechanical Brake market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Rail Vehicle Electro Mechanical Brake.

Chapter 14 and 15, to describe Rail Vehicle Electro Mechanical Brake sales channel, distributors, customers, research findings and conclusion.

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Contents

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3 COMPETITIVE ENVIRONMENT: RAIL VEHICLE ELECTRO MECHANICAL BRAKE BY MANUFACTURER

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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