

Global Rail Vehicle Braking System Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our latest research, the global Rail Vehicle Braking System market size will reach USD 1461 million in 2031, growing at a CAGR of 3.4% over the analysis period.

There are many ways to brake rail vehicles, including traditional pneumatic and hydraulic braking systems, and new electromagnetic braking systems.

In traditional pneumatic or hydraulic braking systems, air (or hydraulic oil) media is used to generate and transmit braking signals and braking forces.

The electromagnetic braking system consists of brake magnets, pole shoes, suspension devices, power transmission devices, and rail rods for mainline railways. When current flows through the magnetic coil, the magnet is attracted to the track, pressing the pole shoes against the track, thereby slowing the vehicle down.

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:

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 Braking System market. Both quantitative and qualitative analyses are presented by company, 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 Braking System market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Rail Vehicle Braking System market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Rail Vehicle Braking System market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Rail Vehicle Braking System market shares of main players, in revenue (\$ Million), 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 Braking System

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 Braking System market based on the following parameters - company overview, revenue, 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, Siemens, Frenoplast, Icer Rail, Akebono Brake Industry, Nabtesco Corporation, etc.

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

Market segmentation

Rail Vehicle Braking System 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Pneumatic Braking System

Hydraulic Braking System

Electromagnetic Braking System

Market segment by Application

Train

Subway

Market segment by players, this report covers

DAKO-CZ

Knorr-Bremse Group

HANNING & KAHL

Wabtec

Schwarzer-Bremse

Siemens

Frenoplast

Icer Rail

Akebono Brake Industry

Nabtesco Corporation

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Rail Vehicle Braking System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Rail Vehicle Braking System, with revenue, gross margin, and global market share of Rail Vehicle Braking System from 2020 to 2025.

Chapter 3, the Rail Vehicle Braking System competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Rail Vehicle Braking System market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Rail Vehicle Braking System.

Chapter 13, to describe Rail Vehicle Braking System research findings and conclusion.

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