

Automotive Storage Battery Market Size, Trends, Analysis, and Outlook by Type (Nickel Cadmium Battery, Nimh Batteries, Lithium-Ion Battery, Lithium Polymer Battery, Lead-Acid Battery), Application (Electric Car, Non-Electric Car), by Country, Segment, and Companies, 2024-2030

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Abstracts

The global Brake Systems market size is poised to register 5.45% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry.

The study analyzes the global Brake Systems market by Type (Mechanical Brakes, Hydraulic Brakes, Power Brakes), Technology (Anti-Lock Braking System (ABS), Electronic Stability Control (ESC), Traction Control System (TCS), Electronic Brake-Force Distribution (EBD)), Application (Passenger Car, Light Commercial Vehicle, Heavy Commercial Vehicle).

The Brake Systems Market is poised for significant transformation through 2030, driven by the increasing demand for vehicle safety and performance is propelling the development of advanced brake systems, including anti-lock braking systems (ABS), electronic stability control (ESC), and regenerative braking systems, to enhance braking efficiency, stability, and energy recovery in both traditional and electric vehicles. This trend is accompanied by a growing emphasis on autonomous driving technologies, driving the integration of brake-by-wire and autonomous emergency braking (AEB) systems to enable autonomous vehicle functionalities and enhance collision avoidance capabilities. Secondly, the rise of electric and hybrid vehicles is reshaping brake system requirements to accommodate unique powertrain configurations, regenerative braking systems, and lightweight materials, driving innovations in brake design, materials, and manufacturing processes to optimize performance and energy efficiency. Further, the proliferation of connected vehicle technologies is driving the integration of brake

systems with vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communication capabilities to enhance safety, traffic management, and predictive maintenance features. In addition, regulatory mandates for vehicle safety standards and emissions regulations are driving the adoption of advanced brake systems with enhanced functionality, reliability, and compliance with stringent regulatory requirements. .

Brake Systems Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Brake Systems market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Brake Systems survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Brake Systems industry.

Key market trends defining the global Brake Systems demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Brake Systems Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Brake Systems industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Brake Systems companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Brake Systems industry

Leading Brake Systems companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Brake Systems companies.

Brake Systems Market Study- Strategic Analysis Review

The Brake Systems market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis.

Explore potential market disruptions, technology advancements, and economic changes.

Brake Systems Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Brake Systems industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Brake Systems Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Brake Systems Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Brake Systems market segments.

Similarly, Strong end-user demand is encouraging Canadian Brake Systems companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Brake Systems market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Brake Systems Market Size Outlook-Companies investing in assessing

consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Brake Systems industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Brake Systems market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Brake Systems Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Brake Systems in Asia Pacific. In particular, China, India, and South East Asian Brake Systems markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Brake Systems Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Brake Systems Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Brake Systems market potential. Fueled by increasing consumption expenditure, growing population, and high demand across a few markets drives the demand for Brake Systems.

Brake Systems Market Company Profiles

The global Brake Systems market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Aisin Seiki Co. Ltd, Akebono Brake Industry Co. Ltd, Autoliv Inc, BMW Group, Continental AG, Daimler AG, Delphi Technologies PLC, Federal-Mogul Holdings Corp, Knorr-Bremse AG, Mando Corp, Nissin Kogyo Co. Ltd, Robert Bosch GmbH, Volkswagen AG, WABCO Holdings Inc, ZF Friedrichshafen AG.

Recent Brake Systems Market Developments

The global Brake Systems market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Brake Systems Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

Type

Mechanical Brakes

-Drum brakes

-Disc brakes

Hydraulic Brakes

Power Brakes

-Air brakes

-Air hydraulic brakes

-Vacuum brakes

-Electric brakes

Technology

Anti-Lock Braking System (ABS)

Electronic Stability Control (ESC)

Traction Control System (TCS)

Electronic Brake-Force Distribution (EBD)

Application

Passenger Car

Light Commercial Vehicle

Heavy Commercial Vehicle

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Aisin Seiki Co. Ltd

Akebono Brake Industry Co. Ltd

Autoliv Inc

BMW Group

Continental AG

Daimler AG

Delphi Technologies PLC

Federal-Mogul Holdings Corp

Knorr-Bremse AG

Mando Corp

Nissin Kogyo Co. Ltd

Robert Bosch GmbH

Volkswagen AG

WABCO Holdings Inc

ZF Friedrichshafen AG.

Formats Available: Excel, PDF, and PPT

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Lithium-Ion Battery

Lithium Polymer Battery

Lead-Acid Battery

Application

Electric Car

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East Penn Manufacturing Co. Inc

Exide Technologies Llc

FCC Battery Co. Ltd

GS Yuasa Corp

Hitachi Ltd

Johnson Controls International plc

Leoch International Technology Ltd

Linc Energy Systems

Narada Power Source Co. Ltd

Toshiba Corp

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