

Automotive Regenerative Braking Global Market Report 2025 | Business Growth, Current and Future Trends till 2029

The Business Research Company's Automotive Regenerative Braking Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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[/EINPresswire.com/](#) -- How Much Is The [Automotive Regenerative Braking Market](#) Worth?



In the past few years, the market size for automotive regenerative braking has witnessed significant expansion. The growth is projected to continue, rising from \$6.56 billion in 2024, to an estimated value of \$7.59 billion by 2025, showing a compound annual growth rate (CAGR) of

15.8%. Various factors have contributed to the historical growth trajectory of this market, including heightened environmental consciousness, the increased adoption of hybrid and electric vehicles, regulatory measures on fuel efficiency by the government, competition within the automotive sector, and the growing interest in regenerative braking within the motorsports domain.



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The market for automotive regenerative braking is projected to experience swift expansion in the coming years, reaching a value of \$13.39 billion by 2029, growing at a compound annual growth rate of 15.2%. Factors such

as a growing electric vehicle market, stricter emission regulations, advancements in energy recovery systems, integration of autonomous vehicles, and consumer preference for eco-friendly technologies will contribute to the growth during the forecast period. Key expected trends during this period include the upgrading of brake systems technology, the incorporation of regenerative brakes in traditional vehicles, the creation of lighter materials for braking systems, constant enhancements in energy conversion efficiency, and collaborations between car manufacturers and tech providers.

Download a free sample of the automotive regenerative braking market report:
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What Are The Factors Driving The Automotive Regenerative Braking Market?

The upsurge in global electric vehicle sales is fueling the expansion of the automotive regenerative braking industry. This technology, featured in both electric vehicles and plug-in hybrid electric vehicles, re-energizes the battery during braking to reduce energy wastage. A boost in customer acquisition of electric vehicles globally is predicted to spur the need for more advanced and innovative regenerative braking systems. For instance, data from the International Energy Agency (IEA), a French firm providing policy advice, analysis and data for the global energy sector, in July 2023, showed that over 2.3 million electric cars were sold in 2023's first quarter, a 25% increase compared to the same period last year. According to the IEA Stated Policies Scenario (STEPS), projections for the share of electric car sales based on current policies and set objectives have risen to 35% in 2030 from less than 25% previously. Thus, the accelerated sales of electric vehicles globally are anticipated to propel the growth of the automotive regenerative braking industry in the forecast period.

Who Are The Major Players In The Automotive Regenerative Braking Market?

Major players in the Automotive Regenerative Braking include:

- Aisin Seiki Co. Ltd.
- Continental AG
- Hyundai Mobis Co. Ltd.
- Mazda Motor Corporation
- Toyota Motor Corporation
- Robert Bosch GmbH
- Denso Corporation
- ZF Friedrichshafen AG
- BorgWarner Inc.
- Porsche Automobil Holding SE

What Are The Key Trends And Market Opportunities In The Automotive Regenerative Braking Sector?

Progress in technology is a main trend gathering momentum in the automotive regenerative braking industry. Operators in the automotive regenerative braking systems sector are producing inventive systems that allow for superior energy recuperation and extended driving range of electric vehicles. For example, in November 2023, ZF Friedrichshafen AG, a tech company from Germany, introduced an electric brake system. This unique dry brake-by-wire system negates the requirement for hydraulic fluids, utilizing electric motors instead to produce braking power at each wheel. This not only increases braking effectiveness but also decreases maintenance expenses.

Which Segment Accounted For The Largest [Automotive Regenerative Braking Market Share](#)?

The automotive regenerative braking market covered in this report is segmented –

1) By Type: Electric Regenerative Braking System, Hydraulic Regenerative Braking System, Kinetic Regenerative Braking System

2) By Propulsion: Battery Electric Vehicle (BEV), Plug-In Hybrid Electric Vehicle (PHEV), Hybrid Electric Vehicle (HEV)

3) By Application: Two Wheelers, Passenger Cars, Commercial Vehicles, Other Applications

Subsegments:

1) By Electric Regenerative Braking System: Battery Electric Vehicles (BEVs), Hybrid Electric Vehicles (HEVs)

2) By Hydraulic Regenerative Braking System: Hydraulic Brake Boosters, Accumulator-Based Systems

3) By Kinetic Regenerative Braking System: Flywheel Energy Storage Systems, Mechanical Kinetic Systems

View the full automotive regenerative braking market report:

<https://www.thebusinessresearchcompany.com/report/automotive-regenerative-braking-global-market-report>

What Are The Regional Trends In The Automotive Regenerative Braking Market?

In 2024, North America led the market for automotive regenerative braking and it is anticipated that Asia-Pacific will exhibit the most rapid growth in the upcoming years. The report investigates the state of this market across various regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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