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Automotive Brake System - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Automotive Brake System Market size is estimated at USD 33.40 billion in 2025, and is expected to reach USD 40.20 billion by 2030, at a CAGR of 3.78% during the forecast period (2025-2030).

The automotive brake system market is experiencing robust growth, driven by several key factors. One of the primary drivers is the increasing production and sales of vehicles worldwide. This growth in vehicle production directly boosts the demand for automotive brake systems, as every vehicle requires a reliable and efficient braking system for safety and performance.

Government regulations play a crucial role in accelerating the growth of the automotive brake system market. In the United States, the National Highway Traffic Safety Administration (NHTSA) and the Department of Transportation (DOT) have proposed rules mandating the inclusion of automatic emergency braking (AEB) in all new passenger cars and light trucks by 2029. These regulations are designed to improve road safety and reduce accidents caused by delayed braking responses.

Similarly, the European Union's General Safety Regulation (GSR) mandated advanced safety features, including AEB, in new vehicles in July 2024. These stringent safety standards compel automakers to integrate advanced braking technologies into their vehicles, driving the demand for automotive brake systems.

Some other factors driving the market are growing awareness about safe and smooth driving in the wake of increasing road accidents, the demand for advanced technology to reduce weight and friction generated in vehicles, and R&D activities by major players. On the other hand, the increasing adoption of electric cars and the rising focus on autonomous vehicles are expected to boost the commercial growth potential of manufacturing companies shortly.

The growth in the automotive segment may also drive the studied market in the coming years.

Automotive Brake System Market Trends

The OEM Segment is Expected to Witness Prominent Growth During the Forecast Period

Automobile companies are constantly producing new and enhanced products for the comfortable and safe driving of vehicles. Companies are providing anti-lock braking systems integrated with electronic stability control (ESC) to prevent skidding, thus bringing vehicles under control. Therefore, technological advancements in vehicle safety features are a potential driver for the growth of the automotive brake system market.

According to the International Organization of Motor Vehicle Manufacturers (OICA), global vehicle production reached 95.11 million units in 2023, marking a significant recovery from the previous year's decline. As vehicle production rises, the demand for OEM brake systems, which are integral to the manufacturing process, also increases. This demand is further amplified by the growing consumer preference for advanced braking technologies such as ABS (anti-lock braking system) and EBD (electronic brakeforce distribution), which are predominantly supplied by OEMs.

Additionally, the rising trend of electric vehicles, which are expected to constitute between 42% and 58% of car sales in the global vehicle market by 2030, also boosts the OEM segment, as EVs require specialized braking systems for energy regeneration and enhanced safety.

As brakes have become a crucial part of any vehicle to ensure safety when the demand for speed is increasing consistently, several key companies and automakers are inclined toward embedding high-quality brake systems. This trend has resulted in OEMs signing contracts with automobile manufacturers to supply braking systems.

Asia-Pacific is Anticipated to Grow Significantly During the Forecast Period

Asia-Pacific continues to dominate the market, and manufacturers in the region offer high-cost reductions due to the availability of low-cost labor and raw materials. The region comprises some high-potential countries, such as China and India, which accounted for 30.16 million and 5.85 million of vehicle production, respectively, i.e., approximately 38.5% of the total global vehicle production. The increasing popularity of active braking systems boosts the sales of luxury and premium vehicles.

The companies are primarily focused on developing eco-friendly, reliable, and robust braking systems. The key players have made heavy investments in research and development to increase their market shares and ensure healthy growth.

- In December 2023, Hella GmbH & Co. KGaA (HELLA) announced its intent to acquire TMD Friction's 50% share in their joint venture, Hella Pagid, making HELLA the sole shareholder. This move, effective from October 1, 2024, aligns with HELLA's strategy to consolidate its brake product offerings under its brand while TMD Friction focuses on expanding its Pagid brand sales.
- In November 2023, ZF Friedrichshafen (ZF) launched a purely electro-mechanical brake system. This "dry" brake system, devoid of hydraulic components, allows for significantly shorter braking distances and enhanced recovery of braking energy, which is particularly beneficial for electric vehicles. This technology promises up to 17% more range for electric vehicles through improved energy recovery, setting a new standard in braking efficiency.

The growing number of accidents globally has also necessitated the enhancement of safety features in vehicles, particularly in mid-segment models. This trend is evident in countries such as India, where the government mandated the installation of anti-lock braking systems (ABS) in all vehicles starting in April 2019 to reduce road accidents. This regulatory push has significantly impacted the automotive brake system market, compelling automakers to adopt advanced braking technologies.

Such developments drive demand in the market. Hence, Asia-Pacific is expected to have enhanced growth during the forecast period.

Automotive Brake System Industry Overview

The automotive brake system market is fragmented, with the presence of various players. Some of the key players in the market include Advics Co. Ltd, Bosch Mobility Solutions, Continental AG, Brembo SpA, and Hitachi Astemo Ltd.

Key players are actively investing in new manufacturing facilities to expand their production capabilities. This expansion is about increasing volume and situating production closer to key markets to reduce logistics costs and improve supply chain efficiency. Establishing these new facilities often comes with adopting advanced manufacturing technologies that increase production efficiency and product quality.

- In February 2024, ASK Automotive, a leading developer of advanced braking systems, announced its plans to set up a new manufacturing facility in Karnataka, India, with an investment of INR 2.19 lakh. Scheduled to be operational by Q4 2025, this facility will bolster ASK Automotive's production capabilities in brake panel assemblies, brake shoes, and other critical braking components.
- In January 2024, China-based Winhere marked a significant expansion by initiating the construction of a new factory in Rayong, Thailand. This facility, focusing on manufacturing brake discs and pads, aims to strengthen Thailand's role as a major supplier in the automotive parts industry. The project is expected to be completed in early 2025, enhancing Winhere's production capacity for both the domestic and international markets.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION
1.1 Study Assumptions
1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS
4.1 Market Drivers
4.1.1 Increasing Vehicle Production
4.2 Market Restraints
4.2.1 Global Trade Dynamics
4.3 Industry Attractiveness - Porter's Five Forces Analysis

4.3.1 Bargaining Power of Suppliers
4.3.2 Bargaining Power of Buyers
4.3.3 Threat of New Entrants
4.3.4 Threat of Substitute Products
4.3.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION (Market Size in Value (USD))
5.1 By Product Type
5.1.1 Disc Brakes
5.1.2 Drum Brakes
5.2 By Brake Pad Material Type
5.2.1 Organic
5.2.2 Metallic
5.2.3 Ceramic
5.3 By Sales Channel
5.3.1 Original Equipment Manufacturers (OEMs)
5.3.2 Aftermarket
5.4 By Vehicle Type
5.4.1 Commercial Vehicles
5.4.2 Passenger Vehicles
5.5 By Geography
5.5.1 North America
5.5.1.1 United States
5.5.1.2 Canada
5.5.1.3 Rest of North America
5.5.2 Europe
5.5.2.1 Germany
5.5.2.2 United Kingdom
5.5.2.3 France
5.5.2.4 Italy
5.5.2.5 Rest of Europe
5.5.3 Asia-Pacific
5.5.3.1 China
5.5.3.2 India
5.5.3.3 Japan
5.5.3.4 South Korea
5.5.3.5 Rest of Asia-Pacific
5.5.4 Rest of the World
5.5.4.1 Brazil
5.5.4.2 South Africa
5.5.4.3 Other Countries

6 COMPETITIVE LANDSCAPE
6.1 Vendor Market Share**
6.2 Company Profiles*
6.2.1 Akebono Brake Industry Co. Ltd
6.2.2 Brembo NV

6.2.3 Robert Bosch GmbH
6.2.4 Continental AG
6.2.5 Disc Brakes Australia (DBA)
6.2.6 Aptiv PLC
6.2.7 Federal-Mogul Holding Co.
6.2.8 Hella Pagid GmbH
6.2.9 Performance Friction Corporation (PFC) Brakes
6.2.10 Sundaram Brake Linings (SBL)
6.2.11 ZF TRW Co.
6.2.12 Advics Co. Ltd
6.2.13 Hitachi Automotive Systems

7 MARKET OPPORTUNITIES AND FUTURE TRENDS
7.1 Use of IoT in the Automotive Brake System Market

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