+357 96 030922
info@marketpublishers.com

Two Wheeler Anti-Lock Braking System Market Forecasts to 2032 – Global Analysis By Type (Single-channel ABS and Dual-channel ABS), Vehicle Type, Propulsion, Component, Engine Displacement, Sales Channel and By Geography

https://marketpublishers.com/r/T8C142B5FC57EN.html
Date: July 2025
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: T8C142B5FC57EN

Abstracts

According to Stratistics MRC, the Global Two Wheeler Anti-Lock Braking System Market is accounted for $18.14 billion in 2025 and is expected to reach $45.67 billion by 2032 growing at a CAGR of 14.1% during the forecast period. The Anti-Lock Braking System (ABS) for two-wheelers is a critical safety feature that prevents wheels from locking during abrupt braking, thereby improving stability and handling. By automatically adjusting brake pressure, it allows riders to maintain directional control, even on slippery or challenging surfaces. ABS significantly lowers the chances of skidding and collisions, making it essential for safe commuting in cities and highways. With growing safety standards and consumer awareness, many motorcycles and scooters now feature ABS as standard or optional. Beyond safety, it boosts rider confidence by enabling precise control in complex traffic conditions, ultimately enhancing road safety for riders and pedestrians alike.

According to data from ICRA, the incremental cost of ABS implementation (estimated at 3–5% across models) may delay recovery in the entry-level segment, which has already seen a 45–50% rise in vehicle prices over the past 5–6 years due to regulatory changes.

Market Dynamics:

Driver:

+357 96 030922
info@marketpublishers.com

Rising safety awareness among riders

Heightened concern for rider safety is significantly boosting the two-wheeler ABS market. With rising accidents caused by abrupt braking and low-traction conditions, consumers increasingly favor motorcycles and scooters featuring advanced braking technologies. Awareness campaigns from authorities and safety organizations emphasize ABS's role in minimizing wheel lock-ups and preventing slips, influencing purchasing decisions. Riders now actively seek vehicles equipped with ABS to enhance personal protection, adhere to traffic rules, and reduce the likelihood of injuries during emergencies. This growing recognition of safety benefits is encouraging manufacturers to integrate ABS more widely, driving market growth and establishing it as a standard expectation in the two-wheeler segment.

Restraint:

High cost of ABS-equipped two-wheelers

The elevated cost of motorcycles and scooters with ABS technology significantly restrains market expansion. Adding ABS increases manufacturing expenses, which often results in higher retail prices compared to non-ABS models. Price-conscious consumers, particularly in emerging markets, may avoid purchasing vehicles with ABS despite its safety advantages. This financial barrier limits widespread adoption, especially among entry-level and budget-focused riders. Although ABS enhances braking performance and rider safety, its premium price remains a key deterrent. Manufacturers must strategically manage production costs and offer competitive pricing or financing options to encourage broader acceptance. The higher cost of ABS-equipped two-wheelers continues to challenge market growth globally.

Opportunity:

Growing demand for premium and safety-oriented two-wheelers

The rising preference for premium and safety-enhanced motorcycles and scooters creates a promising growth avenue for the ABS market. Consumers are increasingly prioritizing safety and are ready to pay extra for advanced braking systems. High-end two-wheelers, including sports bikes, luxury motorcycles, and top-tier scooters, are progressively integrating ABS to boost safety, improve performance, and meet regulatory requirements. Growing urbanization, coupled with higher disposable incomes, further drives demand for vehicles that balance technology, comfort, and

+357 96 030922
info@marketpublishers.com

security. This scenario provides manufacturers with an opportunity to innovate, diversify product lines, and cater to a safety-conscious, affluent customer base seeking modern, technologically advanced two-wheelers equipped with ABS.

Threat:

Competition from alternative braking technologies

Alternative braking technologies, like combined braking systems (CBS) and electronic brake assistance, represent a potential threat to the two-wheeler ABS market. These systems offer sufficient safety benefits at lower prices, appealing to cost-conscious buyers who may avoid ABS-equipped motorcycles or scooters. With manufacturers adopting diverse braking solutions to cater to different consumer segments, the traditional ABS market could experience slower expansion. The growing popularity of these alternatives pressures ABS manufacturers to enhance technology, reduce costs, and differentiate products. Sustained competition from cost-effective braking systems could limit ABS adoption, challenging market growth and requiring strategic innovation to retain relevance and competitive advantage in the global two-wheeler safety segment.

Covid-19 Impact:

The COVID-19 outbreak adversely affected the two-wheeler ABS market by causing factory shutdowns, supply chain disruptions, and reduced consumer purchasing power. Lockdowns and movement restrictions delayed the production and delivery of ABS-equipped motorcycles and scooters, while economic uncertainty led buyers to defer investments in safety-oriented features. Raw material shortages and increased component costs further strained manufacturers, impacting production schedules and profitability. Market recovery commenced slowly as restrictions eased and personal mobility demand surged, with two-wheelers becoming a preferred alternative to public transportation. The pandemic emphasized the need for resilient supply chains and strategic planning, highlighting challenges and lessons for sustaining growth in the two-wheeler ABS segment during global crises.

The dual-channel ABS segment is expected to be the largest during the forecast period

The dual-channel ABS segment is expected to account for the largest market share during the forecast period, largely due to its advanced safety benefits and prevalence in mid-range and premium motorcycles. By separately managing the front and rear

+357 96 030922
info@marketpublishers.com

brakes, it enhances stability and minimizes wheel lock-up during sudden braking situations. Riders favor dual-channel systems over single-channel alternatives for their superior performance and added safety on slippery, uneven, or challenging roads. Motorcycle and scooter manufacturers are increasingly equipping vehicles with dual-channel ABS, either as standard or optional, to comply with safety standards and cater to consumer demand. This widespread adoption and emphasis on rider protection contribute to dual-channel ABS maintaining the largest market share in the two-wheeler segment.

The scooters segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the scooters segment is predicted to witness the highest growth rate, fueled by increasing urban adoption and demand from daily commuters. Their compact design, cost-effectiveness, and ease of maneuvering make them ideal for city travel, prompting manufacturers to integrate ABS for enhanced safety and compliance with safety norms. Young riders and first-time buyers are showing heightened interest in safety features, which accelerates ABS adoption in scooters. Furthermore, the introduction of dual-channel ABS and other advanced braking technologies in scooter models is attracting more customers. This growth trajectory highlights scooters as the fastest-growing segment in the two-wheeler ABS market, reflecting shifting consumer preferences toward safer urban mobility.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share. This is due to high two-wheeler ownership and production in countries like India, China, Indonesia, and Vietnam. Approximately 75% of commuter motorcycles in urban Asia are now equipped with at least one-channel ABS systems. Government mandates in South and Southeast Asia, such as requiring ABS on motorcycles over 125cc, have further driven adoption. In India, these regulatory measures have resulted in a 50% increase in ABS adoption across budget two-wheelers.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR. This surge is attributed to factors such as rapid urbanization, increasing disposable incomes, and a heightened demand for advanced safety features in two-wheelers. Nations like India, China, and Indonesia are experiencing a significant rise in two-wheeler sales, leading to a greater adoption of ABS technology. Moreover,

+357 96 030922
info@marketpublishers.com

government regulations mandating the installation of ABS in new two-wheelers are further propelling market growth in this region.

Key players in the market

Some of the key players in Two Wheeler Anti-Lock Braking System Market include Robert Bosch GmbH, Continental AG, Brembo S.p.A, BWI Group, Honda Motor Company, Ltd, Continental Reifen Deutschland GmbH, Shandong Shunanda Automobile Technology Co., Ltd., AISIN SEIKI Co., Ltd., ZF Friedrichshafen AG, Bosch Limited, Continental Automotive Components India Pvt Ltd, Endurance Technologies Ltd, Minda Corporation Ltd, TVS Motor Company and Bajaj Auto Company.

Key Developments:

In January 2025, Honda Motor Co., Ltd and Renesas Electronics Corporation announced that they have signed an agreement to develop a high-performance system-on-chip (SoC) for software-defined vehicles (SDVs). The agreement was announced during a Honda press conference held at CES 2025 in Las Vegas.

In December 2024, Robert Bosch GmbH agreed to sell its security and communications technology product business to private equity firm Triton Partners, as the German parts supplier trims its portfolio. The transaction includes three business units — video, access and intrusion as well as communication — which employ about 4,300 people across 90 locations globally.

In October 2024, BWI Group and KINGWAY Technology, a subsidiary of Geely Auto focused on intelligent chassis control, signed a strategic cooperation agreement, according to a post on BWI Group's WeChat account. The partnership will encompass a range of BWI Group's chassis-by-wire products, with both companies leveraging their respective strengths to focus on innovation in multiple areas of intelligent chassis technology and its practical applications.

Types Covered:

Single-channel ABS

Dual-channel ABS

+357 96 030922
info@marketpublishers.com

Vehicle Types Covered:

- Motorcycles
- Scooters

Propulsions Covered:

- Internal Combustion Engine (ICE)
- Electric

Components Covered:

- Electronic Control Unit (ECU)
- Wheel Speed Sensors
- Hydraulic Control Unit (HCU)
- Solenoid Valves

Engine Displacements Covered:

- Below 125cc
- 126-250cc
- 251-400cc
- Above 400cc

Sales Channels Covered:

- OEM (Original Equipment Manufacturer)

+357 96 030922
info@marketpublishers.com

- Aftermarket

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand

+357 96 030922
info@marketpublishers.com

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

+357 96 030922
info@marketpublishers.com

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

11 GLOBAL TWO WHEELER ANTI-LOCK BRAKING SYSTEM MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

12 KEY DEVELOPMENTS

13 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Two Wheeler Anti-Lock Braking System Market Forecasts to 2032 – Global Analysis By Type (Single-channel ABS and Dual-channel ABS), Vehicle Type, Propulsion, Component, Engine Displacement, Sales Channel and By Geography

Product link: https://marketpublishers.com/r/T8C142B5FC57EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/T8C142B5FC57EN.html