

# **India Two Wheeler ABS (Anti-Lock Braking System) Market Segmented By Vehicle Type (Motorcycles, Scooter/Moped), By Propulsion Type (IC Engine, Electric Engine), By Channel Type (Single Channel, Dual Channel), By Engine Type (less than 125 cc, 126-250 cc, 251-400 cc, above 400 cc), By Demand Category (OEM, Aftermarket), By Region, Competition, Forecast & Opportunities, 2029**

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## **Abstracts**

India Two Wheeler ABS (Anti-Lock Braking System) Market is expected to grow at a substantial CAGR during the forecast period.

### **India Two Wheeler ABS (Anti-Lock Braking System) Market Scope**

The India two wheeler abs (Anti-Lock Braking System) market encompasses various aspects related to the adoption and implementation of ABS technology in two wheeler vehicles. ABS is a safety feature that helps prevent wheel locking during braking. It enhances the vehicle stability and reducing the risk of accidents. The scope of India two wheeler abs (Anti-Lock Braking System) market is dependent on various factors majorly regulations given by government, adoption in technology, necessary components supply chain, and development in ABS aftermarket technologies. Moreover, original equipment manufacturers have potential scope for growth in India two wheeler abs (Anti-Lock Braking System) market.

### **India Two Wheeler ABS (Anti-Lock Braking System) Market Overview**

Motorcycles are less stable than cars due to their inherent design. A motorbike can become unsteady and slide or flip if the brakes are applied too firmly, locking up either the front or back wheels. Alternately, a rider may fail to escape a collision if they don't use enough force when braking. ABS promotes stability and prevents wheel locking on motorcycles while braking. Furthermore, an antilock braking system is made up of four basic parts: a controller, a pump, valves, and wheel speed sensors. ABS uses speed sensors on both wheels to measure wheel speed precisely. It also uses sensors to detect when a wheel is going to lock, preventing the wheel or wheels of a motorcycle from locking up during braking.

Moreover, in order to prevent the wheel from locking up and help preserve the motorcycle's stability, ABS modifies the braking force as necessary. ABS has been shown to reduce stopping distance in a number of circumstances. Additionally, It has been demonstrated that motorcycles equipped with ABS technology are less likely to be in traffic accidents. With the advancement of cutting-edge technology, these anti-braking systems are also demonstrating their cost effectiveness, enhancing the comfort and functionality of the vehicle. In India, demand for automobile ABS (Anti-Braking System) has also surged as a result of the arrival of electric motorcycles, which produce a lot more stability than motorcycles without ABS.

### India Two Wheeler ABS (Anti-Lock Braking System) Market Drivers

The transition to electric mobility is an efficient global strategy for decarbonizing the automotive industry. The governments of numerous countries throughout the world support the EV adoption effort, which intends to have at least 30% of new vehicle sales be electric by 2030. Additionally, as a result of Indian government initiatives to address climate change, which aim to reduce emission intensity by 33-55% from 2005 levels by 2030, the Indian market for brake systems is expected to expand. The braking system is crucial to the safety and comfort of the electric vehicle, therefore as more EVs are utilized in the next years, the market for anti-lock braking (ABS) system to have considerable growth rate. Road accidents are on the rise due to a variety of factors, including a growth in the amount of traffic, the population, and the observation and enforcement of traffic safety legislation. Some of these factors are difficult to control. On the other hand with the advancement in ABS technology and its efficiency increases its market penetration.

Moreover, it is projected that demand for two-wheeler ABS (anti-braking system) to rise in India over the next few years due to advancements in ABS technology and rising two-wheeler sales.

## India Two Wheeler ABS (Anti-Lock Braking System) Market Challenges

The ABS control module of a vehicle is intended to alert the driver with a warning light if the system fails. An issue with the module or ABS itself happens uncommonly. The sensor or sensor wire is frequently the problem. The majority of ABS issues arise when scraps of metal or other particles contaminate sensors. Also, when sensor wiring is harmed, malfunctions also happen and there is irregular or no continuity. Additionally, the hydraulic control unit stops working when brake fluid becomes polluted, which can happen in more corrosive settings or under serious brake system negligence. This results in slower adoption among people, which restrict the growth of two wheeler anti-braking system market.

Moreover, the region's automobile brake system market's supply chain was hampered by the COVID-19 pandemic's appearance. It caused volatility and fluctuation in component costs affecting the growth rate of the market. Furthermore, the sector's expansion is being hampered by changing supply and demand dynamics. Additionally, it is anticipated that as technology advances, the cost of the market for anti-braking systems decreases and that demand to rise in the coming years.

## India Two Wheeler ABS (Anti-Lock Braking System) Market Trends

More than 2,30,000 electric two-wheelers were registered in India in 2022, a growth of almost 46.7% year over year when compared to motorcycle sales in 2021. The two-wheelers are periodically upgraded as a result of technological progress in order to compete with the other models. The anti-braking system technology, which was released in India in 2019, prevents motorcycle from skidding when they suddenly apply the brakes. Additionally, it shortens the stopping distance and enhances steering control while the vehicle is braking. It is anticipated that the market for two wheeler ABS would grow significantly over the coming years as a result of large investments in technological advancements and improved vehicle stability when applying the brakes.

## India Two Wheeler ABS (Anti-Lock Braking System) Market Opportunities

India two wheeler ABS (Anti-Lock Braking System) market offers several opportunities for growth and development. Further, Indian government has mandated the use of ABS in certain category of two wheelers to enhance the safety. The regulations provide the opportunity for many players to enter into the aftermarket of two wheeler ABS system.

Additionally, growing awareness of ABS among consumers about advantages of ABS and its safety may increase the demand in the Indian market. Furthermore, there is growing demand for premium two wheeler segment with advanced safety features increases the India two wheeler ABS market.

## Company Profiles

Some of the major players which are leading in India two wheeler ABS (anti-lock braking system) market are Robert Bosch GmbH, BWI Group, Continental AG, Honda Motor Company Ltd., ZF TRW, KECO Brakes, WABCO TVS, Hitachi Astemo Ltd., Delphi Technologies, and Autoliv Inc.

## Market Segmentation

The India two wheeler ABS (anti-lock braking system) market is segmented based on vehicle type, propulsion type, channel type, engine type, demand category, and region. On the basis of vehicle type, the market is segmented into Motorcycles and Scooter/Moped. Based on the propulsion type, it is further segmented into IC Engine and Electric Engine. Furthermore, on the basis of channel type, it is segmented into single channel and dual channel. In terms of engine type, it is divided into less than 125 cc, 126-250 cc, 251-400 cc, and above 400 cc. Also, based on demand category, it is divided into OEM and Aftermarket. Further, the market is also divided into region wise mainly into North, West, South, and East.

## Report Scope:

In this report, India two wheeler ABS (anti-lock braking system) market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

### India Two Wheeler ABS (Anti-Lock Braking System) Market, By Vehicle Type:

Motorcycles

Scooter/Moped

### India Two Wheeler ABS (Anti-Lock Braking System) Market, By Propulsion Type:

IC Engine

Electric Engine

India Two Wheeler ABS (Anti-Lock Braking System) Market, By Channel Type:

Single Channel

Dual Channel

India Two Wheeler ABS (Anti-Lock Braking System) Market, By Engine Type:

less than 125 cc

126-250 cc

251-400 cc

above 400 cc

India Two Wheeler ABS (Anti-Lock Braking System) Market, By Demand Category:

OEM

Aftermarket

India Two Wheeler ABS (Anti-Lock Braking System) Market, By Region:

North

West

South

East

Competitive Landscape

*India Two Wheeler ABS (Anti-Lock Braking System) Market Segmented By Vehicle Type (Motorcycles, Scooter/Moped)...*

Company Profiles: Detailed analysis of the major companies present in India Two Wheeler ABS (Anti-Lock Braking System) Market

Available Customizations

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. INTRODUCTION**

- 1.1. Product Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Market Overview
- 3.2. Market Forecast
- 3.3. Key Regions
- 3.4. Key Segments

### **4. IMPACT OF COVID-19 ON INDIA TWO WHEELER ABS (ANTI-LOCK BRAKING SYSTEM) MARKET**

- 4.1. Key Segments Impacted
- 4.2. Key Regions Impacted

### **5. VOICE OF CUSTOMER ANALYSIS**

- 5.1. Factors Influencing Purchase Decision
- 5.2. Brand Awareness
- 5.3. Brand Satisfaction Level

## **6. INDIA TWO WHEELER ABS (ANTI-LOCK BRAKING SYSTEM) MARKET OUTLOOK**

### 6.1. Market Size & Forecast

#### 6.1.1. By Value

### 6.2. Market Share & Forecast

#### 6.2.1. By Vehicle Type Market Share Analysis (Motorcycles, Scooter/Moped)

#### 6.2.2. By Propulsion Type Market Share Analysis (ICE, Electric)

#### 6.2.3. By Channel Type Market Share Analysis (Single Channel, Dual Channel)

#### 6.2.4. By Engine Type Market Share Analysis (Less than 125 cc, 126-250 cc, 251-400 cc, Above 400 cc)

#### 6.2.5. By Demand Category Market Share Analysis (OEM, Aftermarket)

#### 6.2.6. By Regional Market Share Analysis

##### 6.2.6.1. North Market Share Analysis

##### 6.2.6.2. West Market Share Analysis

##### 6.2.6.3. South Market Share Analysis

##### 6.2.6.4. East Market Share Analysis

#### 6.2.7. By Company Market Share Analysis (Top 5 Companies, Others - By Value, 2023)

### 6.3. India Two Wheeler ABS (Anti-Lock Braking System) Market Mapping & Opportunity Assessment

#### 6.3.1. By Vehicle Type Market Mapping & Opportunity Assessment

#### 6.3.2. By Propulsion Type Market Mapping & Opportunity Assessment

#### 6.3.3. By Channel Type Market Mapping & Opportunity Assessment

#### 6.3.4. By Engine Type Market Mapping & Opportunity Assessment

#### 6.3.5. By Demand Category Market Mapping & Opportunity Assessment

#### 6.3.6. By Regional Market Mapping & Opportunity Assessment

## **7. INDIA MOTORCYCLES ABS (ANTI-LOCK BRAKING SYSTEM) MARKET OUTLOOK**

### 7.1. Market Size & Forecast

#### 7.1.1. By Value

### 7.2. Market Share & Forecast

#### 7.2.1. By Propulsion Type Market Share Analysis

#### 7.2.2. By Channel Type Market Share Analysis

#### 7.2.3. By Engine Type Market Share Analysis

#### 7.2.4. By Demand Category Market Share Analysis



## **8. INDIA SCOOTER/MOPED ABS (ANTI-LOCK BRAKING SYSTEM) MARKET OUTLOOK**

### 8.1. Market Size & Forecast

#### 8.1.1. By Value

### 8.2. Market Share & Forecast

#### 8.2.1. By Propulsion Type Market Share Analysis

#### 8.2.2. By Channel Type Market Share Analysis

#### 8.2.3. By Engine Type Market Share Analysis

#### 8.2.4. By Demand Category Market Share Analysis

## **9. PORTER'S FIVE FORCES MODEL**

### 9.1. Competitive Rivalry

### 9.2. Bargaining Power of Suppliers

### 9.3. Bargaining Power of Buyers

### 9.4. Threat of New Entrants

### 9.5. Threat of Substitutes

## **10. MARKET DYNAMICS**

### 10.1. Market Drivers

### 10.2. Market Challenges

## **11. MARKET TRENDS AND DEVELOPMENTS**

## **12. POLICY & REGULATORY LANDSCAPE**

## **13. INDIA ECONOMIC PROFILE**

## **14. COMPETITIVE LANDSCAPE**

### 14.1. Company Profiles (Up To 10 Major Companies)

#### 14.1.1. Robert Bosch GmbH

##### 14.1.1.1. Company Details

##### 14.1.1.2. Key Product Offered

- 14.1.1.3. Recent Development
- 14.1.1.4. Key Management Personnel
- 14.1.2. BWI Group
  - 14.1.2.1. Company Details
  - 14.1.2.2. Key Product Offered
  - 14.1.2.3. Recent Development
  - 14.1.2.4. Key Management Personnel
- 14.1.3. Continental AG
  - 14.1.3.1. Company Details
  - 14.1.3.2. Key Product Offered
  - 14.1.3.3. Recent Development
  - 14.1.3.4. Key Management Personnel
- 14.1.4. Honda Motor Company Ltd.
  - 14.1.4.1. Company Details
  - 14.1.4.2. Key Product Offered
  - 14.1.4.3. Recent Development
  - 14.1.4.4. Key Management Personnel
- 14.1.5. ZF TRW
  - 14.1.5.1. Company Details
  - 14.1.5.2. Key Product Offered
  - 14.1.5.3. Recent Development
  - 14.1.5.4. Key Management Personnel
- 14.1.6. KECO Brakes
  - 14.1.6.1. Company Details
  - 14.1.6.2. Key Product Offered
  - 14.1.6.3. Recent Development
  - 14.1.6.4. Key Management Personnel
- 14.1.7. WABCO TVS
  - 14.1.7.1. Company Details
  - 14.1.7.2. Key Product Offered
  - 14.1.7.3. Recent Development
  - 14.1.7.4. Key Management Personnel
- 14.1.8. Hitachi Astemo Ltd.
  - 14.1.8.1. Company Details
  - 14.1.8.2. Key Product Offered
  - 14.1.8.3. Recent Development
  - 14.1.8.4. Key Management Personnel
- 14.1.9. Delphi Technologies
  - 14.1.9.1. Company Details

14.1.9.2. Key Product Offered

14.1.9.3. Recent Development

14.1.9.4. Key Management Personnel

14.1.10. Autoliv Inc.

14.1.10.1. Company Details

14.1.10.2. Key Product Offered

14.1.10.3. Recent Development

14.1.10.4. Key Management Personnel

## **15. STRATEGIC RECOMMENDATIONS**

15.1. Key Focus Area

15.1.1. Target Regions

15.1.2. Target Vehicle Type

15.1.3. Target Propulsion Type

## **16. ABOUT US & DISCLAIMER**

Note: The data given for any year represents the market during the fiscal year, i.e., 1st April to 31st March of that year. e.g., For 2022, the data represents the period, 1st April 2021 to 31st March 2022.

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