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Global Two Wheeler Fuel Injection Systems Market Size Study & Forecast, by Technology Type, Engine Displacement, Vehicle Type, and Regional Forecasts 2025–2035

https://marketpublishers.com/r/T6E1159A2A0FEN.html
Date: July 2025
Pages: 285
Price: US$ 3,750.00 (Single User License)
ID: T6E1159A2A0FEN

Abstracts

The Global Two Wheeler Fuel Injection Systems Market is estimated to be valued at approximately USD 11.94 billion in 2024 and is poised to grow at a CAGR of 6.80% over the forecast period from 2025 to 2035. As environmental norms tighten and consumer expectations for vehicle efficiency evolve, fuel injection technologies have stepped into the limelight—displacing outdated carburetion systems in both emerging and developed markets. Designed to enhance fuel economy, reduce emissions, and boost performance, fuel injection systems in two-wheelers have become indispensable amid ongoing regulatory, technological, and economic transitions. Engineered to deliver precise amounts of fuel into combustion chambers, these systems are increasingly seen as the standard for both commuter motorcycles and high-performance bikes. Their adoption is no longer a matter of premium specification, but rather a necessity shaped by global policy mandates and market competition.

As Original Equipment Manufacturers (OEMs) recalibrate production strategies to comply with evolving emission standards such as Euro 5 and BS-VI, electronic fuel injection (EFI) systems are rapidly replacing traditional setups. These systems ensure better air-fuel ratio management, throttle response, and combustion efficiency, particularly in two-wheelers operating across a wide spectrum of engine displacements. From mopeds used for short city rides to mid- and high-capacity motorcycles aimed at long-distance cruising or sport performance, EFI solutions are finding extensive implementation. Furthermore, digital innovation—through the integration of sensors, ECUs, and real-time diagnostics—has turbocharged the growth trajectory of smart, connected fuel injection technologies that contribute to optimal engine behavior and low

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maintenance requirements.

From a regional perspective, Asia Pacific dominates the market with the largest volume share, driven primarily by high two-wheeler penetration in densely populated countries such as India, China, Indonesia, and Vietnam. These economies have witnessed sweeping changes in vehicle manufacturing norms, pushing fuel injection adoption aggressively. India, in particular, stands as a growth epicenter due to its extensive commuter motorcycle base and policy frameworks supporting fuel-efficient, low-emission technologies. Meanwhile, Europe continues to show strong demand, driven by recreational biking culture, premium motorcycles, and strict emissions protocols. North America, although a more niche two-wheeler market in terms of volume, continues to favor high-performance motorcycles that rely on advanced EFI systems, especially in the U.S. and Canada. Latin America and the Middle East & Africa are also showing upward trends, primarily due to rising urbanization, disposable income, and governmental emphasis on emission compliance.

Major market player included in this report are:

Keihin Corporation

Bosch Limited

Mikuni Corporation

Continental AG

UCAL Fuel Systems

Walbro Corporation

Denso Corporation

Magneti Marelli S.p.A.

Delphi Technologies (BorgWarner)

Fuel Systems Solutions Inc.

TVS Motor Company

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Hero MotoCorp Ltd.

Yamaha Motor Co., Ltd.

Honda Motor Co., Ltd.

Bajaj Auto Ltd.

Global Two Wheeler Fuel Injection Systems Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

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By Technology Type:

Electronic Fuel Injection System

Carburetted Fuel Injection System

By Engine Displacement Type:

Less than 200cc

200 to 500cc

500 to 1000cc

More than 1000cc

By Vehicle Type:

Mopeds

Motorcycle

By Region:

North America

U.S.

Canada

Europe

UK

Germany

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- France
- Spain
- Italy
- Rest of Europe

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- Rest of Asia Pacific

Latin America

- Brazil
- Mexico

Middle East & Africa

- UAE
- Saudi Arabia
- South Africa

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Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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