

Carbon Fiber Bike Wheelset Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Carbon Fiber Bike Wheelset Market, valued at USD 697.3 million in 2024, is poised for steady growth with a projected CAGR of 3.4% from 2025 to 2034. As urbanization and environmental awareness drive more individuals toward cycling, demand for high-performance, lightweight, and durable wheelsets continues to rise. The increasing popularity of cycling as both a sport and a sustainable mode of transport has fueled interest in advanced bike components, particularly carbon fiber wheelsets. These wheels have become a top choice for cyclists seeking a balance between strength, aerodynamics, and speed. Competitive riders and enthusiasts alike are gravitating towards carbon fiber due to its superior performance across various terrains.

Innovations in aerodynamics are pushing the boundaries of wheelset technology, making carbon fiber an indispensable material in both professional and recreational cycling. Riders demand components that offer not only reduced weight but also enhanced acceleration and efficiency. With disc brake integration becoming more prevalent, cyclists are investing in carbon fiber wheelsets that deliver precise handling and optimal stopping power. Additionally, the growth of e-bikes has expanded the market as riders look for premium wheelsets that complement the power-assisted capabilities of these bikes. Manufacturers are continuously refining their designs to cater to evolving preferences, enhancing the durability and accessibility of these high-end products.

The market is segmented into clincher, tubular, and tubeless wheelsets, with clincher wheels accounting for 45% of the market share in 2024. This segment is expected to generate USD 400 million by 2034, driven by improvements in carbon fiber technology. The rise of tubeless-ready clincher wheels is reshaping the industry by offering a

puncture-resistant, low-maintenance alternative to traditional options. Cyclists increasingly prefer these wheels for their ability to provide a smoother ride, reduced rolling resistance, and enhanced durability, making them a go-to choice for both professionals and casual riders.

By bicycle type, the market includes road bikes, mountain bikes, hybrid bikes, and e-bikes, with road bikes holding a dominant 36% market share in 2024. The performance benefits of carbon fiber wheelsets, including improved speed, better power transfer, and increased agility, have made them a popular upgrade among road cyclists. As lightweight components become a priority, these wheels continue to attract riders looking for an edge in both competitive and long-distance cycling. The integration of disc brakes further enhances their appeal, as riders prioritize safety without compromising speed.

Asia Pacific accounted for 35% of the carbon fiber bike wheelset market in 2024 and is projected to generate USD 350 million by 2034. The region's booming cycling culture, particularly in countries like China, has driven demand for high-quality bike components. The growing prevalence of e-bikes and an increasing number of cycling events contribute to the rapid adoption of carbon fiber wheelsets. Consumers seeking high-performance, lightweight solutions are fueling market expansion, making Asia Pacific one of the most lucrative regions for manufacturers.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research design
 - 1.1.1 Research approach
 - 1.1.2 Data collection methods
- 1.2 Base estimates and calculations
 - 1.2.1 Base year calculation
 - 1.2.2 Key trends for market estimates
- 1.3 Forecast model
- 1.4 Primary research & validation
 - 1.4.1 Primary sources
 - 1.4.2 Data mining sources
- 1.5 Market definitions

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
 - 3.2.1 Raw material suppliers
 - 3.2.2 Component manufacturers
 - 3.2.3 Wheelset manufacturers
 - 3.2.4 Distributors and retailers
 - 3.2.5 End use
- 3.3 Profit margin analysis
- 3.4 Technology & innovation landscape
- 3.5 Patent analysis
- 3.6 Key news & initiatives
- 3.7 Regulatory landscape
- 3.8 Technology differentiators
 - 3.8.1 Material composition
 - 3.8.2 Aerodynamics
 - 3.8.3 Brake technology
 - 3.8.4 Durability features

3.9 Impact forces

3.9.1 Growth drivers

3.9.1.1 Demand for lightweight, high-performance cycling components

3.9.1.2 Growing popularity of cycling as a sport

3.9.1.3 Customization options enhancing consumer purchasing decisions

3.9.1.4 Rising disposable incomes boosting premium bike purchases

3.9.2 Industry pitfalls & challenges

3.9.2.1 High production costs limiting mass-market affordability

3.9.2.2 Fragility compared to traditional aluminum wheelsets

3.10 Growth potential analysis

3.11 Porter's analysis

3.12 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

4.1 Introduction

4.2 Company market share analysis

4.3 Competitive positioning matrix

4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY WHEELSET, 2021 - 2034 (\$MN, UNITS)

5.1 Key trends

5.2 Clincher

5.3 Tubular

5.4 Tubeless

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY BICYCLE, 2021 - 2034 (\$MN, UNITS)

6.1 Key trends

6.2 Road bikes

6.3 Mountain bikes

6.4 Hybrid bikes

6.5 E-bikes

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2034 (\$MN, UNITS)

- 7.1 Key trends
- 7.2 Professional racing
- 7.3 Recreational cycling
- 7.4 Commuting
- 7.5 Off-road/trail riding

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY DISTRIBUTION CHANNEL, 2021 - 2034 (\$MN, UNITS)

- 8.1 Key trends
- 8.2 Online
- 8.3 Offline

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2034 (\$MN, UNITS)

- 9.1 Key trends
- 9.2 North America
 - 9.2.1 U.S.
 - 9.2.2 Canada
- 9.3 Europe
 - 9.3.1 UK
 - 9.3.2 Germany
 - 9.3.3 France
 - 9.3.4 Spain
 - 9.3.5 Italy
 - 9.3.6 Russia
 - 9.3.7 Nordics
- 9.4 Asia Pacific
 - 9.4.1 China
 - 9.4.2 India
 - 9.4.3 Japan
 - 9.4.4 South Korea
 - 9.4.5 ANZ
 - 9.4.6 Southeast Asia
- 9.5 Latin America
 - 9.5.1 Brazil
 - 9.5.2 Mexico

9.5.3 Argentina

9.6 MEA

9.6.1 UAE

9.6.2 South Africa

9.6.3 Saudi Arabia

CHAPTER 10 COMPANY PROFILES

10.1 Campagnolo

10.2 Bontrager

10.3 Campagnolo

10.4 Carbon Revolution

10.5 DT Swiss

10.6 Dymag Group

10.7 Easton Cycling

10.8 ENVE Composites

10.9 Farsports

10.10 FFWD Wheels

10.11 Fulcrum Wheels

10.12 HED Cycling Products

10.13 Hunt Bike Wheels

10.14 Knight Composites

10.15 Light Bicycle

10.16 Mavic

10.17 Reynolds Cycling

10.18 Ronal Group

10.19 Roval Components

10.20 Shimano

10.21 Zipp

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