

Automotive Carbon Wheels Market by Vehicle Type (Two Wheelers, Passenger Cars, Commercial Vehicles), Distribution Channel (OEM, Aftermarket), and Region 2024-2032

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Abstracts

The global automotive carbon wheels market size reached US\$ 868.4 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,856.9 Million by 2032, exhibiting a growth rate (CAGR) of 8.5% during 2024-2032. The rising need to improve fuel efficiency in vehicles, the escalating demand for lightweight materials, and various technological advancements represent some of the key factors driving the market.

Automotive carbon wheels are high-performance wheels made from carbon fiber reinforced polymer (CFRP) composites. They offer a range of benefits over traditional metal wheels, including reduced weight, increased strength, and improved performance. They are also lighter than their metal counterparts, which reduces weight and improves acceleration, braking, and handling, which provides faster lap times and improved driving dynamics. In addition to their performance benefits, carbon wheels offer improved aesthetics as the unique weave pattern of the carbon fiber creates a distinct look that is popular with car enthusiasts. Moreover, they are more durable, resistant to damage from road hazards than traditional metal wheels, are less likely to deform or crack under stress, and offer a higher level of shock absorption. Nowadays, manufacturers are offering custom color options, which allow customers to personalize the appearance of their wheels. Owing to these benefits, automotive carbon wheels are gaining traction across the globe.

Automotive Carbon Wheels Market Trends:

The market is primarily driven by the escalating demand for luxury and high-

performance cars and the rising need to improve the fuel efficiency of vehicles. In addition, the increasing utilization of lightweight materials in vehicles represents another major growth-inducing factor. Nowadays, automotive manufacturers are adopting carbon wheels as they serve as a lightweight alternative to traditional metal wheels, which helps improve fuel efficiency and reduce emissions. Besides this, with various technological advancements, the production costs of carbon fiber composites are decreasing, making it more accessible and cost-effective for automotive manufacturers to use in their vehicles and produce them in larger quantities. This, coupled with the rising product adoption due to its aesthetic appeal, is increasing its adoption in luxury cars, thus contributing to market growth. Moreover, automotive carbon wheels offer significant performance benefits over traditional metal wheels, which has escalated their demand among sports car and high-performance vehicle manufacturers. Furthermore, the rising disposable incomes of individuals, the expanding automotive industry, especially in developing economies, the increasing environmental regulations, the rising adoption of electric vehicles, and the introduction of advanced product variants are some of the other factors that are creating a favorable market outlook across the globe.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global automotive carbon wheels market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on vehicle type and distribution channel.

Vehicle Type Insights:

Two Wheelers

Passenger Cars

Commercial Vehicles

The report has provided a detailed breakup and analysis of the automotive carbon wheels market based on the vehicle type. This includes two wheelers, passenger cars, and commercial vehicles. According to the report, passenger cars represented the largest segment.

Distribution Channel Insights:

OEM

Aftermarket

A detailed breakup and analysis of the automotive carbon wheels market based on the distribution channel has also been provided in the report. This includes OEM and aftermarket. According to the report, OEM accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Europe was the largest market for automotive carbon wheels. Some of the factors driving the Europe automotive carbon wheels market included the escalating demand

for luxury vehicles, the increasing utilization of lightweight materials, and the advent of advanced product variants.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global automotive carbon wheels market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Carbon Revolution Limited, Dymag Group Limited, ESE Carbon Company, HRE Wheels, Litespeed Racing LLC, Rolko Kohlgr?ber GmbH (INDUS Holding AG), and Rotobox d.o.o. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global automotive carbon wheels market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global automotive carbon wheels market?

What is the impact of each driver, restraint, and opportunity on the global automotive carbon wheels market?

What are the key regional markets?

Which countries represent the most attractive automotive carbon wheels market?

What is the breakup of the market based on the vehicle type?

Which is the most attractive vehicle type in the automotive carbon wheels market?

What is the breakup of the market based on the distribution channel?

Which is the most attractive distribution channel in the automotive carbon wheels market?

What is the competitive structure of the global automotive carbon wheels market?

Who are the key players/companies in the global automotive carbon wheels market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL AUTOMOTIVE CARBON WHEELS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY VEHICLE TYPE

- 6.1 Two Wheelers
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Passenger Cars
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Commercial Vehicles

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY DISTRIBUTION CHANNEL

7.1 OEM

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Aftermarket

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY REGION

8.1 North America

8.1.1 United States

8.1.1.1 Market Trends

8.1.1.2 Market Forecast

8.1.2 Canada

8.1.2.1 Market Trends

8.1.2.2 Market Forecast

8.2 Asia-Pacific

8.2.1 China

8.2.1.1 Market Trends

8.2.1.2 Market Forecast

8.2.2 Japan

8.2.2.1 Market Trends

8.2.2.2 Market Forecast

8.2.3 India

8.2.3.1 Market Trends

8.2.3.2 Market Forecast

8.2.4 South Korea

8.2.4.1 Market Trends

8.2.4.2 Market Forecast

8.2.5 Australia

8.2.5.1 Market Trends

8.2.5.2 Market Forecast

8.2.6 Indonesia

8.2.6.1 Market Trends

- 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Carbon Revolution Limited

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.1.3 Financials

13.3.2 Dymag Group Limited

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.3 ESE Carbon Company

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.4 HRE Wheels

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.5 Litespeed Racing LLC

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.6 Rolko Kohlgr?ber GmbH (INDUS Holding AG)

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.7 Rotobox d.o.o.

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: Automotive Carbon Wheels Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Automotive Carbon Wheels Market Forecast: Breakup by Vehicle Type (in Million US\$), 2024-2032

Table 3: Global: Automotive Carbon Wheels Market Forecast: Breakup by Distribution Channel (in Million US\$), 2024-2032

Table 4: Global: Automotive Carbon Wheels Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Automotive Carbon Wheels Market: Competitive Structure

Table 6: Global: Automotive Carbon Wheels Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Automotive Carbon Wheels Market: Major Drivers and Challenges

Figure 2: Global: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 4: Global: Automotive Carbon Wheels Market: Breakup by Vehicle Type (in %), 2023

Figure 5: Global: Automotive Carbon Wheels Market: Breakup by Distribution Channel (in %), 2023

Figure 6: Global: Automotive Carbon Wheels Market: Breakup by Region (in %), 2023

Figure 7: Global: Automotive Carbon Wheels (Two Wheelers) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Automotive Carbon Wheels (Two Wheelers) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Automotive Carbon Wheels (Passenger Cars) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Automotive Carbon Wheels (Passenger Cars) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Automotive Carbon Wheels (Commercial Vehicles) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Automotive Carbon Wheels (Commercial Vehicles) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Automotive Carbon Wheels (OEM) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Automotive Carbon Wheels (OEM) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Automotive Carbon Wheels (Aftermarket) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Automotive Carbon Wheels (Aftermarket) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: North America: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: North America: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: United States: Automotive Carbon Wheels Market: Sales Value (in Million

US\$), 2018 & 2023

Figure 20: United States: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Canada: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Canada: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Asia-Pacific: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Asia-Pacific: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: China: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: China: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Japan: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Japan: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: India: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: India: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: South Korea: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: South Korea: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Australia: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Australia: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Indonesia: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Indonesia: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Others: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Others: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Europe: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Europe: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Germany: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Germany: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: France: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: France: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: United Kingdom: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: United Kingdom: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Italy: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Italy: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Spain: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Spain: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Russia: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Russia: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Others: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Others: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Latin America: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Latin America: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Brazil: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Brazil: Automotive Carbon Wheels Market Forecast: Sales Value (in Million

US\$), 2024-2032

Figure 59: Mexico: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Mexico: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Others: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Others: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Middle East and Africa: Automotive Carbon Wheels Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Middle East and Africa: Automotive Carbon Wheels Market: Breakup by Country (in %), 2023

Figure 65: Middle East and Africa: Automotive Carbon Wheels Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Global: Automotive Carbon Wheels Industry: Drivers, Restraints, and Opportunities

Figure 67: Global: Automotive Carbon Wheels Industry: Value Chain Analysis

Figure 68: Global: Automotive Carbon Wheels Industry: Porter's Five Forces Analysis

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