

OTR Tire Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

Market Report | 2025-02-12 | 190 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$6050.00
- Enterprise User \$8350.00

Report description:

The Global OTR Tire Market, valued at USD 4.8 billion in 2024, is projected to grow at a CAGR of 6.1% from 2025 to 2034. Expanding construction and mining industries worldwide are fueling demand for these specialized tires. Emerging economies are witnessing massive infrastructure investments, leading to increased use of heavy machinery such as loaders, dump trucks, and excavators. The mining sector, characterized by extreme working conditions, requires high-performance tires with enhanced traction, load-bearing capacity, and resistance to cuts. As mining operations become more intensive, the need for durable tires designed for high-temperature and abrasive environments is rising. Additionally, infrastructure spending has surged, further boosting market growth. Federal budgets and public-private partnerships are accelerating modernization efforts, increasing demand for new and improved OTR tires.

Based on tire type, the market includes radial, bias, and solid tires. The radial tire segment accounted for over 50% of the market share and is expected to surpass USD 4.7 billion by 2034. Radial tires offer improved flexibility, reduced rolling resistance, and superior traction due to steel belts positioned at a 90-degree angle to the direction of travel. These features make them ideal for construction, mining, and agriculture, where heavy machinery must perform under tough conditions. Manufacturers are expanding their radial tire offerings to cater to these industries, enhancing durability and performance. Innovations in OTR tires now focus on integrating advanced materials to improve heat resistance and extend lifespan in on-road and off-road applications.

The market is segmented by distribution channel into OEM and aftermarket, with the aftermarket sector holding a 56.1% share in 2024. Heavy-duty OTR tires endure rough terrains, substantial loads, and prolonged operational hours, necessitating frequent replacements. This creates significant revenue opportunities in the aftermarket, where manufacturers and service providers offer various options, including new, retreaded, and budget-friendly tires. Retreading services are gaining traction as a cost-effective, eco-friendly solution to extend tire life. Additional aftermarket services such as real-time monitoring, repair, and emergency assistance enhance customer value and contribute to the segment's growth.

Based on rim size, the market is categorized into up to 30 inches, 31-50 inches, and above 51 inches. The up to 30 inches segment led the market with a value exceeding USD 2.5 billion in 2024. Smaller rim size tires are widely used in agriculture, light construction, and industrial applications, making them a cost-effective and versatile choice. Their affordability and lower maintenance costs appeal to budget-conscious operators and small businesses, particularly in developing economies where initial investment and operational expenses play a crucial role in purchasing decisions.

The OTR tire market is further divided by industry into construction, mining, agriculture, forestry, and industrial applications. The mining segment is expected to register the highest CAGR of over 6.5% during the forecast period. Mining operations demand specialized, heavy-duty tires capable of handling extreme loads and harsh environments. Expansion of mining activities across regions like Africa, South America, and Asia-Pacific has driven demand for high-durability OTR tires. Manufacturers are continuously innovating to enhance traction, durability, and fuel efficiency, ensuring optimal performance in challenging mining conditions.

In 2024, China dominated the Asia-Pacific OTR tire market, generating around USD 530 million in revenue. The country's booming construction sector, extensive mining activities, and rapid industrialization drive significant demand for OTR tires. China's construction equipment market was valued at over USD 33 billion in 2024 and is expected to reach USD 61 billion by 2032, growing at a 7.5% CAGR. The country's dominance in OTR tire manufacturing, supported by a strong supply chain, cost-effective production, and established tire brands, has positioned it as a leading exporter of OTR tires globally.

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

1.1 Research design

1.1.1 Research approach

1.1.2 Data collection methods

1.2 Base estimates & calculations

1.2.1 Base year calculation

1.2.2 Key trends for market estimation

1.3 Forecast model

1.4 Primary research and validation

1.4.1 Primary sources

1.4.2 Data mining sources

1.5 Market scope & definition

Chapter 2 Executive Summary

2.1 Industry 360 synopsis, 2021 - 2034

Chapter 3 Industry Insights

3.1 Industry ecosystem analysis

3.1.1 Supplier landscape

3.1.1.1 Raw material suppliers

3.1.1.2 Component suppliers

3.1.1.3 Manufacturers

3.1.1.4 Technology providers

3.1.1.5 Distributors

3.1.1.6 End use

3.1.2 Profit margin analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 3.2 Technology & innovation landscape
- 3.3 Patent analysis
- 3.4 Regulatory landscape
- 3.5 Price trend
- 3.6 Impact forces
 - 3.6.1 Growth drivers
 - 3.6.1.1 Increasing demand from construction and mining sectors
 - 3.6.1.2 Technological advancements in tire design
 - 3.6.1.3 Focus on sustainable and eco-friendly tires
 - 3.6.1.4 Growing aftermarket sales
 - 3.6.2 Industry pitfalls & challenges
 - 3.6.2.1 Availability of low-cost tire
 - 3.6.2.2 Stringent emission regulations
- 3.7 Growth potential analysis
- 3.8 Porter's analysis
- 3.9 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 Tire, 2021 - 2034 (\$Bn, Units)

- 5.1 Key trends
- 5.2 Radial tire
- 5.3 Bias tire
- 5.4 Solid tire

Chapter 6 Market Estimates & Forecast, By Equipment, 2021 - 2034 (\$Bn, Units)

- 6.1 Key trends
- 6.2 Dump trucks
 - 6.2.1 Articulated dump trucks
 - 6.2.2 Rigid dump trucks
- 6.3 Loaders
 - 6.3.1 Backhoe loaders
 - 6.3.2 Crawler loaders
 - 6.3.3 Skid-steer loaders
- 6.4 Excavators
 - 6.4.1 Crawler excavators
 - 6.4.2 Mini excavators
 - 6.4.3 Wheeled excavators
- 6.5 Asphalt finishers
- 6.6 Crawler dozer
- 6.7 Motor graders
- 6.8 RLT-telescopic
- 6.9 Agriculture tractors
- 6.10 Others

Chapter 7 Market Estimates & Forecast, By Rim Size, 2021 - 2034 (\$Bn, Units)

- 7.1 Key trends

7.2 Up to 30 inches

7.3 31-50 inches

7.4 Above 51 inches

Chapter 8 Market Estimates & Forecast, By Industry, 2021 - 2034 (\$Bn, Unit)

8.1 Key trends

8.2 Construction

8.3 Mining

8.4 Agriculture

8.5 Forestry

8.6 Industrial

Chapter 9 Market Estimates & Forecast, By Distribution Channel, 2021 - 2034 (\$Bn, Unit)

9.1 Key trends

9.2 OEM

9.3 Aftermarket

Chapter 10 Market Estimates & Forecast, By material, 2021 - 2034 (\$Bn, Unit)

10.1 Key trends

10.2 Natural rubber

10.3 Synthetic rubber

10.4 Others

Chapter 11 Market Estimates & Forecast, By Region, 2021 - 2034 (\$Bn, Units)

11.1 Key trends

11.2 North America

11.2.1 U.S.

11.2.2 Canada

11.3 Europe

11.3.1 UK

11.3.2 Germany

11.3.3 France

11.3.4 Italy

11.3.5 Spain

11.3.6 Russia

11.3.7 Nordics

11.4 Asia Pacific

11.4.1 China

11.4.2 India

11.4.3 Japan

11.4.4 Australia

11.4.5 South Korea

11.4.6 Southeast Asia

11.5 Latin America

11.5.1 Brazil

11.5.2 Mexico

11.5.3 Argentina

11.6 MEA

11.6.1 UAE

11.6.2 South Africa

11.6.3 Saudi Arabia

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Chapter 12 Company Profiles

12.1 Alliance Tire Group (ATG)

12.2 Apollo

12.3 BKT

12.4 Bridgestone

12.5 CEAT

12.6 Continental

12.7 Double Coin Holdings Ltd

12.8 Giti

12.9 Goodyear

12.10 JK Tyre & Industries

12.11 Linglong Tire

12.12 Michelin

12.13 MRF Tyre

12.14 Pirelli

12.15 Sumitomo Rubber Industries

12.16 Titan

12.17 Yokohama

12.18 Trelleborg

12.19 Triangle Group

12.20 XCMG

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**OTR Tire Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast
2025-2034**

Market Report | 2025-02-12 | 190 pages | Global Market Insights

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$6050.00
	Enterprise User	\$8350.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-19"/>

Signature

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com