

Tyre Recycling Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented Product (Rubber, Tire-derived Fuel, Tire-derived Aggregate, Carbon Black, Steel Wires), By Application(Automotive, Construction, Manufacturing, Rubber & Plastics, Others), By Region and Competition, 2020-2030F

<https://marketpublishers.com/r/T86CC6499010EN.html>

Date: February 2025

Pages: 187

Price: US\$ 4,500.00 (Single User License)

ID: T86CC6499010EN

Abstracts

Global Tyre Recycling Market was valued at USD 7.60 Billion in 2024 and is expected to reach USD 9.50 Billion by 2030 with a CAGR of 3.60% during the forecast period. The global tire recycling market has witnessed significant growth in recent years, driven by increasing environmental concerns, stringent government regulations, and growing awareness about sustainable waste management. The improper disposal of end-of-life tires (ELTs) has led to serious environmental hazards, such as landfill overflows and fire risks, prompting authorities and industries to adopt advanced recycling solutions. As the demand for eco-friendly and cost-effective alternatives rises, the tire recycling market is poised for further expansion.

The global tire recycling market is fueled by several key factors, including the rising number of discarded tires worldwide, the increasing adoption of circular economy principles, and technological advancements in recycling processes. Governments across the world are implementing strict policies to curb tire waste and encourage recycling. For example, the European Union has banned tire landfilling, while the U.S. and China have introduced regulations to boost tire-derived products.

Another critical factor driving market growth is the increasing use of recycled tire materials in various applications, such as rubberized asphalt, playground surfaces,

sports fields, and automotive components. The demand for sustainable raw materials in construction and manufacturing industries has led to greater adoption of tire-derived aggregates and crumb rubber. Furthermore, tire pyrolysis, which converts waste tires into valuable products like fuel oil, carbon black, and steel, is gaining traction as an environmentally friendly alternative to traditional disposal methods.

Key Market Drivers

Increasing Demand for Recycled Materials

The global tyre recycling market is experiencing significant growth, driven by the increasing demand for recycled materials across various industries. With sustainability becoming a major focus for businesses and governments, the need to repurpose end-of-life tires (ELTs) into valuable secondary raw materials has intensified. Recycled rubber from tires is widely used in manufacturing applications such as asphalt modification, rubberized flooring, automotive parts, and construction materials. This rising demand for sustainable and cost-effective alternatives to virgin raw materials is pushing companies to invest in tire recycling technologies and infrastructure.

Stringent environmental regulations and waste management policies have accelerated the shift toward tire recycling. Many countries have implemented extended producer responsibility (EPR) programs, mandating manufacturers to ensure proper disposal and recycling of their products. Additionally, landfill bans and restrictions on open burning of waste tires are further driving the need for efficient recycling solutions. Industries such as construction, automotive, and sports surfaces are increasingly incorporating recycled tire-derived products, such as rubber mulch, crumb rubber, and reclaimed rubber, into their production processes, fostering market expansion.

The economic benefits of tire recycling are another key factor fueling its global market growth. Recycled tire materials offer cost savings compared to virgin rubber and synthetic alternatives, making them attractive to manufacturers seeking to optimize production expenses. Furthermore, advancements in pyrolysis and devulcanization technologies have improved the efficiency and profitability of tire recycling, leading to increased adoption worldwide. As consumer awareness of environmental sustainability continues to rise, the demand for eco-friendly products is expected to further propel the tire recycling market in the coming years.

Key Market Challenges

High Collection and Processing Costs

One of the primary challenges in the global tire recycling market is the high cost associated with collecting and processing end-of-life tires (ELTs). The logistics of transporting bulky and heavy tires from various locations to recycling facilities involve significant expenses. Additionally, advanced processing techniques, such as cryogenic grinding or pyrolysis, require substantial capital investment, making it difficult for small and mid-sized recyclers to sustain operations.

Key Market Trends

Increasing Government Regulations and Sustainability Initiatives

One of the key drivers of the tyre recycling market is the tightening of government regulations and policies aimed at reducing waste and promoting circular economy practices. Countries across North America, Europe, and Asia-Pacific have implemented stringent environmental policies mandating responsible tire disposal. Extended Producer Responsibility (EPR) programs are gaining momentum, requiring manufacturers to take responsibility for the end-of-life management of their products. Additionally, many governments are promoting incentives for tire-derived products (TDPs), further boosting market growth.

Key Market Players

Davis Rubber Company Inc.

TIRE DISPOSAL & RECYCLING LLC

Tyre Recycling Solution SA

Liberty Tire Recycling LLC

Genan Holding A/S

ResourceCo Pty Ltd.

GRP LTD

Lehigh Technologies, Inc.

Report Scope

In this report, the Global Tire Recycling Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Tyre Recycling Market, By Product:

Rubber

Tire-derived Fuel

Tire-derived Aggregate

Carbon Black

Steel Wires

Tyre Recycling Market, By Application:

Automotive

Construction

Manufacturing

Rubber & Plastics

Others

Tyre Recycling Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Tire Recycling Market.

Available Customizations:

Global Tyre Recycling Market report 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. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

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. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. IMPACT OF COVID-19 ON GLOBAL TYRE RECYCLING MARKET

5. GLOBAL TYRE RECYCLING MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Product (Rubber, Tyre-derived Fuel, Tyre-derived Aggregate, Carbon Black, Steel Wires)
 - 5.2.2. By Application (Automotive, Construction, Manufacturing, Rubber & Plastics, Others)

- 5.2.3. By Region
- 5.2.4. By Company (2024)
- 5.3. Market Map

6. NORTH AMERICA TYRE RECYCLING MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Product
 - 6.2.2. By Application
 - 6.2.3. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Tyre Recycling Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Product
 - 6.3.1.2.2. By Application
 - 6.3.2. Mexico Tyre Recycling Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Product
 - 6.3.2.2.2. By Application
 - 6.3.3. Canada Tyre Recycling Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Product
 - 6.3.3.2.2. By Application

7. EUROPE TYRE RECYCLING MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Product
 - 7.2.2. By Application

7.2.3. By Country

7.3. Europe: Country Analysis

7.3.1. France Tyre Recycling Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Product

7.3.1.2.2. By Application

7.3.2. Germany Tyre Recycling Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Product

7.3.2.2.2. By Application

7.3.3. United Kingdom Tyre Recycling Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Product

7.3.3.2.2. By Application

7.3.4. Italy Tyre Recycling Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Product

7.3.4.2.2. By Application

7.3.5. Spain Tyre Recycling Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Product

7.3.5.2.2. By Application

8. ASIA PACIFIC TYRE RECYCLING MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Product

8.2.2. By Application

8.2.3. By Country

8.3. Asia Pacific: Country Analysis

8.3.1. China Tyre Recycling Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Product

8.3.1.2.2. By Application

8.3.2. India Tyre Recycling Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Product

8.3.2.2.2. By Application

8.3.3. South Korea Tyre Recycling Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Product

8.3.3.2.2. By Application

8.3.4. Japan Tyre Recycling Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Product

8.3.4.2.2. By Application

8.3.5. Australia Tyre Recycling Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Product

8.3.5.2.2. By Application

9. SOUTH AMERICA TYRE RECYCLING MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

- 9.2.1. By Product
- 9.2.2. By Application
- 9.2.3. By Country
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Tyre Recycling Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Product
 - 9.3.1.2.2. By Application
 - 9.3.2. Argentina Tyre Recycling Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Product
 - 9.3.2.2.2. By Application
 - 9.3.3. Colombia Tyre Recycling Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Product
 - 9.3.3.2.2. By Application

10. MIDDLE EAST AND AFRICA TYRE RECYCLING MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Product
 - 10.2.2. By Application
 - 10.2.3. By Country
- 10.3. MEA: Country Analysis
 - 10.3.1. South Africa Tyre Recycling Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Product
 - 10.3.1.2.2. By Application
 - 10.3.2. Saudi Arabia Tyre Recycling Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Product

10.3.2.2.2. By Application

10.3.3. UAE Tyre Recycling Market Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Product

10.3.3.2.2. By Application

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. GLOBAL TYRE RECYCLING MARKET: SWOT ANALYSIS

14. PORTERS FIVE FORCES ANALYSIS

14.1. Competition in the Industry

14.2. Potential of New Entrants

14.3. Power of Suppliers

14.4. Power of Customers

14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

15.1. Davis Rubber Company Inc.

15.1.1. Business Overview

15.1.2. Company Snapshot

15.1.3. Products & Services

- 15.1.4. Financials (As Reported)
- 15.1.5. Recent Developments
- 15.1.6. Key Personnel Details
- 15.1.7. SWOT Analysis
- 15.2. TYRE DISPOSAL & RECYCLING LLC
- 15.3. Tyre Recycling Solution SA
- 15.4. Liberty Tyre Recycling LLC
- 15.5. Genan Holding A/S
- 15.6. ResourceCo Pty Ltd.
- 15.7. GRP LTD
- 15.8. Lehigh Technologies, Inc.

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

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