

Recovered Carbon Black Market Set for Strong Growth, Expected to Hit 893.40 Kilotons by 2035

North America is expected to pace growth at 20.3% CAGR, with the U.S. and Canada leading new plant commissioning

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/EINPresswire.com/ -- The [Recovered](#)

[Carbon Black Market](#) is witnessing

significant growth as industries

increasingly focus on sustainability,

resource efficiency, and waste

reduction. Recovered carbon black

(rCB) is a sustainable alternative to

virgin carbon black and is primarily

produced through the pyrolysis of end-

of-life tires. The material is widely

utilized in tire manufacturing, [rubber](#)

products, plastics, coatings, inks, and

various industrial applications. As

governments and manufacturers seek

to reduce carbon emissions and

promote circular economy practices,

the demand for recovered carbon black continues to increase globally.



Recovered Carbon Black Market

The growing challenge of tire waste management has further accelerated the adoption of recovered carbon black. Millions of tires reach the end of their lifecycle each year, creating environmental concerns related to disposal and landfill accumulation. Recovered carbon black offers an effective solution by transforming waste tires into valuable raw materials, helping industries reduce their environmental footprint while maintaining product performance.

Recovered Carbon Black Market Value

The Recovered Carbon Black Market reached an estimated 121.25 kilotons in 2025 and is projected to register 148.50 kilotons in 2026 before climbing to approximately 893.40 kilotons by

2035, reflecting a 19.8% CAGR across the forecast window. Market growth is being driven by rising environmental awareness, stringent regulations on waste management, and increasing adoption of sustainable materials across industries.

The tire industry remains the largest consumer of recovered carbon black, as leading manufacturers seek to incorporate recycled materials into their production processes. Growing investments in recycling infrastructure, advancements in pyrolysis technology, and increasing corporate commitments toward sustainability are expected to further support market expansion. As industries continue to prioritize circular economy initiatives, recovered carbon black is likely to become an increasingly important raw material in global manufacturing operations.

Market Segmentation

By Process

Based on process, the market is segmented into pyrolysis and other recovery technologies.

Pyrolysis dominates the market due to its ability to efficiently recover valuable materials from end-of-life tires. The process converts waste tires into recovered carbon black, [pyrolysis oil](#), steel, and gas, maximizing resource utilization while reducing environmental impact. Technological advancements in pyrolysis systems are improving product quality and production efficiency, further strengthening market growth.

By Application

The market is segmented into tire manufacturing, non-tire rubber products, plastics, coatings, inks, and others.

Tire manufacturing represents the largest application segment due to increasing sustainability initiatives within the global tire industry. Non-tire rubber products such as conveyor belts, industrial hoses, and automotive rubber components also contribute significantly to market demand. Additionally, recovered carbon black is gaining traction in plastics, coatings, and printing inks as manufacturers seek environmentally friendly alternatives to conventional materials.

By End-Use Industry

Based on end-use industry, the market is categorized into automotive, industrial, construction, packaging, and others.

The automotive industry accounts for a major share of the market owing to its extensive use of tires and rubber components. Growing vehicle production and rising sustainability commitments among automotive manufacturers are driving demand for recovered carbon black. Industrial

and construction sectors are also increasingly utilizing the material due to its reinforcing properties and environmental benefits.

By Region

The market is segmented into North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa.

Europe currently holds a significant share of the recovered carbon black market due to stringent environmental regulations and strong circular economy policies. North America is witnessing steady growth driven by investments in tire recycling infrastructure and sustainability initiatives. Meanwhile, Asia-Pacific is expected to register the fastest growth during the forecast period due to expanding automotive production, increasing industrialization, and growing awareness of sustainable manufacturing practices.

Key Market Drivers

Growing Adoption of Circular Economy Practices

Governments and industries worldwide are increasingly embracing circular economy models to reduce waste and maximize resource efficiency. Recovered carbon black aligns perfectly with these objectives by converting discarded tires into valuable industrial materials, reducing dependence on virgin carbon black and supporting sustainable production systems.

Rising Demand for Sustainable Tire Manufacturing

Major tire manufacturers are actively incorporating sustainable raw materials into their products to reduce carbon emissions and improve environmental performance. Recovered carbon black provides a viable solution by offering comparable functionality while significantly lowering environmental impact.

Stringent Environmental Regulations

Environmental regulations related to tire disposal, waste management, and carbon reduction are encouraging greater investment in recycling technologies. Regulatory support for sustainable manufacturing practices is creating favorable conditions for the growth of the recovered carbon black market.

Advancements in Recovery Technologies

Continuous improvements in pyrolysis and material purification technologies are enhancing the quality and consistency of recovered carbon black. These advancements are enabling its use in a broader range of applications while improving overall market acceptance.

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Key Players

The Recovered Carbon Black Market is highly competitive, with leading companies focusing on technology innovation, production expansion, and strategic partnerships.

Major players operating in the market include:

Pyrolyx AG

Bolder Industries

Scandinavian Enviro Systems

Black Bear Carbon

Delta-Energy Group

Klean Industries

ENRESTEC

Ecolomondo Corporation

Radhe Group of Energy

DVA Renewable Energy

These companies are investing in advanced recycling technologies and expanding their production capabilities to meet the growing demand for sustainable carbon black solutions.

Recent Developments

Expansion of Tire Recycling Facilities

Several recovered carbon black manufacturers have announced capacity expansion projects to address increasing demand from tire and rubber producers. New recycling facilities are being established across Europe, North America, and Asia-Pacific to improve supply chain capabilities and support circular economy initiatives.

Strategic Partnerships with Tire Manufacturers

Leading tire companies are entering long-term agreements with recovered carbon black suppliers to secure sustainable raw material sources. These partnerships are accelerating the adoption of recycled materials in tire production and helping manufacturers achieve their environmental targets.

Technological Improvements in Pyrolysis Operations

Recent advancements in pyrolysis technology have improved product consistency, recovery efficiency, and material quality. These developments are expanding the potential applications of

recovered carbon black and increasing its competitiveness with virgin carbon black.

Growing Investments in Sustainable Manufacturing

Industries are increasing investments in sustainable raw materials and recycling technologies to reduce carbon footprints and comply with environmental regulations. This trend is expected to drive further demand for recovered carbon black across multiple end-use sectors.

Diversification into New Applications

Recovered carbon black is increasingly being utilized in plastics, coatings, construction materials, and specialty products. This diversification is creating additional growth opportunities and reducing market dependence on the tire industry alone.

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The Recovered Carbon Black Market is poised for strong growth as sustainability becomes a central focus across global industries. Rising demand for eco-friendly materials, increasing tire recycling activities, and supportive environmental regulations are creating favorable market conditions. With continuous technological advancements and expanding application areas, recovered carbon black is expected to play a crucial role in promoting circular economy practices and sustainable manufacturing throughout the forecast period. As industries seek innovative ways to reduce waste and carbon emissions, the market is well-positioned for long-term expansion and investment opportunities.

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