

Global Biochar Packing Media Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Biochar Packing Media market size was valued at US\$ 48.94 million in 2025 and is forecast to a readjusted size of US\$ 153 million by 2032 with a CAGR of 17.6% during review period.

In 2025, global sales volume of Biochar Packing Media was approximately 58,000 tons, with an average global market price of about USD 820/ton. The gross margin of major producers was generally in the range of 25%-40%.

Biochar Packing Media are porous carbon-based environmental packing materials produced from biomass feedstocks such as straw, rice husks, wood, bamboo, and fruit shells through carbonization, activation, modification, or forming processes. These products feature well-developed pore structures, relatively large specific surface area, strong adsorption capacity, good microbial attachment properties, and renewable feedstock sources. In engineering systems, they can simultaneously function as packing support media, filtration and adsorption media, biofilm carriers, and nitrogen and phosphorus removal media.

The upstream segment of Biochar Packing Media mainly includes biomass feedstocks such as agricultural residues, wood, bamboo, and fruit shells, as well as carbonization equipment, activating agents, modification additives, and forming auxiliaries. The midstream segment involves pyrolysis carbonization, screening and granulation, functional modification, forming, and quality control to produce packing media with different pore sizes, bulk densities, and functional types. Downstream applications are mainly concentrated in water treatment, waste gas treatment, and soil remediation. The value of the industry is mainly concentrated in feedstock stability, pore-structure

regulation, functional modification, service life, and engineering adaptability.

This report is a detailed and comprehensive analysis for global Biochar Packing Media market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Biochar Packing Media market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Biochar Packing Media market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Biochar Packing Media market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Biochar Packing Media market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Biochar Packing Media

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Biochar Packing Media market based on the following parameters - company overview, sales quantity, revenue, price, gross

margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Glanris, Standard Biocarbon, Carbogenics, Jiangsu Kangdelong Environmental Protection, Suzhou Sujing Environmental Protection New Materials, Tianjin Grace Environmental Technology, Gongyi Jingchuang Water Purification Packing Factory, Biochar Future Eco-environmental Technology, JIZHU BIOTECHNOLOGY, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Biochar Packing Media market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Packing Support Type

Filtration Adsorption Type

Biofilm Carrier Type

Nitrogen Phosphorus Removal Type

Market segment by Source

Agricultural Residue-Based

Wood-Bamboo-Based

Fruit Shell-Based

Market segment by Pore Size

Microporous Type

Mesoporous Type

Macroporous Type

Market segment by Application

Water Treatment

Waste Gas Treatment

Soil Remediation

Other

Major players covered

Glanris

Standard Biocarbon

Carbogenics

Jiangsu Kangdelong Environmental Protection

Suzhou Sujing Environmental Protection New Materials

Tianjin Grace Environmental Technology

Gongyi Jingchuang Water Purification Packing Factory

Biochar Future Eco-environmental Technology

JIZHU BIOTECHNOLOGY

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Biochar Packing Media product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Biochar Packing Media, with price, sales quantity, revenue, and global market share of Biochar Packing Media from 2021 to 2026.

Chapter 3, the Biochar Packing Media competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Biochar Packing Media breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Biochar Packing Media market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Biochar Packing Media.

Chapter 14 and 15, to describe Biochar Packing Media sales channel, distributors, customers, research findings and conclusion.

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