

Global Black Pellets Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview

Black Pellets are produced through torrefaction or steam exploded, during which water content, cellulose sugars, and other volatile organic compounds are removed from the biomass to produce a solid biofuel with characteristics similar to those of fossil coal.

The global Black Pellets market size is projected to reach US\$ 203.34 Million by 2028, from US\$ 67.47 million in 2021, at a CAGR of 15.08% during 2022-2028. Due to no need for dry storage and transportation, better grindability, Due to the characteristics of less dust formed during handling and storage and higher specific energy density, black particles have received more and more attention and corresponding investment, which has become an important driving force for market development.

Moreover, the market for black pellets is on the rise owing to increasing global demand for renewable energy and growing concerns to limit the use of fossil fuels that contribute to global warming. Consumers in industrialized countries such as Europe are becoming more environmentally conscious and continue to rely more and more on renewable energy. Countries in the region such as China, India, and Japan are undertaking numerous projects to reduce levels of greenhouse gas (GHG) emissions. All these developments will have a positive impact on the sales of black pellets in the next decade.

Enforcement of stringent rules and regulations to minimize carbon emissions from fossil fuel and coal combustion is another key driver of the global black particulate market. This implementation encourages companies to focus on producing better, cleaner and cheaper fuels. Black pellets offer a cleaner, less expensive solution. Several industries,

commercial complexes and residential consumers are increasing the use of black pellets as these pellets can replace coal used in coal-fired boiler units.

Segment by Type, the Black Pellets can be split into Torrefaction, Steam Explosion (SE), etc. Currently, Torrefaction occupies the most dominant market share. In 2021, the market share of the Torrefaction market size reached 66.85%, significantly higher than the Steam Explosion (SE) type. Zilkha Biomass Energy has developed Steam Explosion Technology (SE) since 2010 and expanded its plant capacity in 2014. The market share of steam explosion technology subsequently declined significantly. The phenomenon that Torrefaction maintains its dominant position in the market will continue in the forecast period, but the market size of Steam Explosion (SE) will expand at a higher rate, reaching a CAGR of 19.51%.

From the perspective of application scenarios, Power Generation is the most important use of black pellets, accounting for 97.59% in 2021. Rising energy and electricity costs and volatility in the oil and gas industry are driving the demand for renewable energy generation products, which will continue to drive the expansion of the Power Generation segment market size.

Affected by the epidemic, many companies declared bankruptcy or closed factories in 2020. For example, Bioendev plans to close its black pellet factory in February 2020, and Thermate Industries (Kate Street Capital) went bankrupt in May 2020, but in general, market fundamentals are still improving. With the breakthrough of black wood pellet research and development technology and the improvement of production economy, the share of black pellets in the entire wood pellet market will further increase in the future, and black pellets will still be an important product in the future development of wood pellets.

On basis of geography, the Black Pellets market is segmented into North America, Europe, Asia-Pacific, South America, Middle East and Africa, etc. The same status will remain for several years. In 2021, Europe's sales accounted for approximately 55.72% of the global market, while North America accounted for 35.63%. Asia Pacific is estimated to be an important region in the global black pellets market in the near future. Several countries in the region, such as China, India, and Japan, are undertaking numerous projects to reduce levels of greenhouse gas (GHG) emissions. The black pellets market in Latin America, Middle East & Africa is expected to expand steadily during the forecast period. Rising investments in bio-based energy production in developing countries is expected to drive the black pellets market in these regions during the forecast period.

Currently, the major players in the market include Bionet, Blackwood Technology, Arbaflame, Airex Energy, Bioendev, ECN, Idemitsu Green Energy Vietnam Limited Company, FICA HPCI. Among them, Bionet, Arbaflame and FICA HPCI are using steam explosion technology, while the rest are It is Torrefaction technology.

This report provides a deep insight into the global Black Pellets market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Black Pellets Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Black Pellets market in any manner.

Global Black Pellets Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Zilkha Biomass Energy

New Biomass Energy

Bionet

Blackwood Technology

Arbaflame

Airex Energy

Bioendev

ECN

Idemitsu Green Energy Vietnam Limited Company

FICA HPCI

Powerwood Canada Corporation

Market Segmentation (by Type)

Torrefaction

Steam Explosion (SE)

Market Segmentation (by Application)

Power Generation

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Black Pellets Market

Overview of the regional outlook of the Black Pellets Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Black Pellets Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development

potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

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