

Global Biomass Briquette Market Size Study, by Raw Material (Wood, Agricultural Residue, Municipal Solid Waste, Others), by Application (Power Generation, Thermal Energy, Others), and Regional Forecasts 2022-2032

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Abstracts

The Global Biomass Briquette Market, valued at approximately USD 832.94 million in 2023, is anticipated to grow at a healthy CAGR of 7.76% over the forecast period from 2024 to 2032, reaching a market size of around USD 1,510.36 million by 2032. Biomass briquettes, formed by compressing organic materials such as agricultural residues, wood chips, and sawdust, have emerged as a viable and eco-friendly alternative to conventional fossil fuels. These briquettes are produced through a meticulous process involving drying, grinding, mixing, and compressing biomass, often using a binding agent to ensure structural integrity. The shift towards sustainable energy sources and the need for reducing carbon emissions have significantly bolstered the demand for biomass briquettes, as they offer a renewable and less polluting energy option for heating, cooking, and industrial applications.

Global environmental concerns and stringent regulations aimed at reducing carbon footprints have been key drivers of the biomass briquette market. Governments worldwide are encouraging the adoption of renewable energy sources, including biomass, by offering incentives and implementing supportive regulations, thereby propelling market growth. The rising global energy demand, coupled with the volatility of fossil fuel prices, further accelerates the adoption of biomass briquettes, particularly in regions where traditional fuels are either expensive or difficult to access. Moreover, technological advancements in briquetting processes have enhanced the efficiency and quality of biomass briquettes, making them increasingly competitive with conventional energy sources. Emerging markets in Asia, Africa, and Latin America present substantial growth opportunities for the biomass briquette market. These regions,

endowed with abundant agricultural and biomass resources, are increasingly leveraging these materials to produce briquettes, catering to local energy needs and fostering sustainable livelihoods for rural communities. Additionally, the integration of biomass briquette production with waste management systems offers a promising solution to the growing waste disposal challenges, further driving market expansion. However, the market faces challenges such as supply chain and infrastructure limitations, particularly in developing regions. Efficient collection, processing, and distribution of biomass feedstock remain critical issues that can lead to inconsistent supply and increased production costs. Investments in infrastructure and logistics are essential to overcoming these challenges and ensuring a stable and cost-effective supply chain for biomass briquettes.

Europe remains a pivotal region in the biomass briquette market, with widespread use of these eco-friendly fuel blocks for both industrial and domestic energy needs. Countries like Hungary, Poland, and Austria have historically been significant consumers of biomass briquettes, primarily for domestic cooking and heating purposes. As the market gains traction in developed economies, these countries are increasingly adopting biomass briquettes for heating boilers and electricity generation. China is expected to exhibit the highest growth rate in market penetration, driven by supportive government policies aimed at boosting biomass production and utilization.

Major market players included in this report are:

German Pellets

Enviva

Pinnacle Renewable Energy Group

Pacific BioEnergy Corporation

Vyborgskaya Cellulose

Rentech

Graanul Invest Group

RWE Innogy

Lignetics

E-pellets

Drax Biomass

General Biofuels

BlueFire Renewables

Pfeifer Group

Biomass Secure Power

The detailed segments and sub-segment of the market are explained below:

By Raw Material:

- Wood
- Agricultural Residue

- Municipal Solid Waste (MSW)
- Others

By Application:

- Power Generation
- Thermal Energy
- Others

By Region:

North America

- U.S.
- Canada

Europe

- UK
- Germany
- France
- Spain
- Italy
- ROE

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

Latin America

- Brazil
- Mexico
- RoLA

Middle East & Africa

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.

- Detailed analysis of geographical landscape with country-level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approach.
- Analysis of competitive structure of the market.
- Demand side and supply side analysis of the market.

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