

# **Biomass Boiler Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034**

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## **Abstracts**

The Global Biomass Boiler Market was valued at USD 3.6 billion in 2024 and is estimated to grow at a CAGR of 9% to reach USD 8.7 billion by 2034. This growth is driven by an increasing focus on clean energy, sustainability, and the adoption of renewable energy sources across various industries. As global demand for eco-friendly alternatives to traditional heating and energy systems rises, biomass boilers are becoming a preferred choice for many industries and commercial sectors. Policymakers and governments are implementing supportive measures, such as feed-in tariffs, renewable energy targets, tax credits, and grants, which further fuel market demand and encourage widespread adoption of these systems.

The woody biomass boiler market is set to experience robust growth, projected to grow at a CAGR of 8.5% by 2034. This growth is primarily driven by the global shift towards renewable energy sources and the growing efforts to decrease reliance on fossil fuels. With an abundant supply of woody biomass, this renewable resource is becoming increasingly important in energy generation, especially in industries focused on sustainability. As governments and policymakers continue to implement supportive regulations and incentives for renewable energy, the adoption of biomass boilers is likely to rise significantly.

The fluidized bed biomass boiler segment generated a 67.9% share in 2024. Fluidized bed technology is gaining popularity due to its versatility in burning various types of biomass. This technology helps in reducing emissions and improving combustion efficiency, making it a preferred option in many industries. These boilers are increasingly integrated with combined heat and power (CHP) systems, enabling simultaneous generation of electricity and heat. The integration of CHP systems enhances energy efficiency, making it possible to utilize the heat that would otherwise

be wasted.

U.S. Biomass Boiler Market was valued at USD 1.2 billion in 2024. As demand for energy-efficient and cost-effective alternatives to fossil fuels rises, the market for biomass boilers is expected to see significant expansion in industries such as manufacturing, agriculture, and district heating. The market growth in the U.S. is also being driven by a growing interest in sustainable practices and renewable energy sources.

Major players involved in the Global Biomass boiler market include Froling Heizkessel-Und Behälterbau, Zhengzhou Boiler (Group), Forbes Marshall, Thermax, DP Cleantech, VIESSMANN, Hargassner GesmbH, Prime Thermals, Sugimat, Walchandnagar Industries, Maxtherm Boilers, Thermodyne Boiler, John Wood Group, OkoFEN Forschungs- und Entwicklungs, Woodco, Hoval, Schmid Energy Solutions, ARITERM, Binder Energietechnik, Cheema Boiler, Guntamatic Heiztechnik, Hurst Boiler & Welding, ANDRITZ Group, John Cockerill, Treco, KwB Energiesysteme, Sofinter, Windhager. Key players in the biomass boiler industry are adopting various strategies to strengthen their market presence. These strategies include increasing their investments in research and development (R&D) to enhance product performance and energy efficiency. By focusing on developing innovative solutions such as advanced fluidized bed boilers and integrating CHP systems, companies are improving their offerings.

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