

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

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Abstracts

Europe Biomass Boiler Market reached a value of USD 8.4 billion in 2024 and is expected to grow at an impressive CAGR of 8% from 2025 to 2034. The growth is primarily fueled by Europe's increasing commitment to renewable energy and sustainability, a trend reinforced by stringent environmental regulations and ambitious carbon reduction goals set by governments. As the pressure to combat climate change intensifies, the adoption of renewable energy solutions like biomass boilers is becoming an essential part of Europe's energy transition. Biomass boilers are gaining traction as they provide a cleaner and more sustainable alternative to traditional fossil fuel-powered systems, making them highly attractive to businesses and governments alike.

Technological advancements in biomass boiler systems are also contributing to the market's upward trajectory. Innovations such as improved combustion efficiency, automation, and enhanced control systems are driving the performance and efficiency of these boilers, especially in commercial applications. These innovations not only improve the overall cost-effectiveness of biomass boilers but also make them a viable solution for industries seeking to reduce their carbon footprints. As a result, more businesses are turning to biomass boilers as part of their energy management strategy, further fueling market growth.

The agricultural waste biomass boiler market is projected to reach USD 2 billion by 2034. This surge is due to the growing emphasis on using renewable resources to address environmental challenges like greenhouse gas emissions. The adoption of agricultural waste-based biomass boilers aligns with Europe's broader goals of reducing carbon emissions while fostering energy independence. With the continued advancements in boiler technology that enhance combustion efficacy and lower

emissions, the agricultural sector is well-positioned to benefit from these developments. Biomass boilers made from agricultural waste also offer a sustainable solution to managing byproducts, turning them into valuable energy.

The stocker biomass boiler market is expected to grow at a CAGR of 7% through 2034. The shift toward renewable energy sources is driving this demand, as businesses and governments look for alternatives to fossil fuels. The European Union's commitment to carbon reduction is playing a pivotal role in increasing the adoption of biomass-powered systems, propelling the market's growth.

Germany is a key player in the European biomass boiler market, projected to generate USD 3 billion by 2034. The country is heavily investing in biomass energy production, including building dedicated biomass power plants, which is stimulating demand for biomass boilers. Germany's strong agricultural sector, combined with government incentives promoting renewable energy, will continue to support market growth. The country's commitment to decentralized energy solutions and the circular economy will further bolster the biomass boiler market across Europe.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 INDUSTRY INSIGHTS

- 2.1 Industry ecosystem analysis
- 2.2 Regulatory landscape
- 2.3 Industry impact forces
 - 2.3.1 Growth drivers
 - 2.3.2 Industry pitfalls & challenges
- 2.4 Growth potential analysis
- 2.5 Porter's analysis
 - 2.5.1 Bargaining power of suppliers
 - 2.5.2 Bargaining power of buyers
 - 2.5.3 Threat of new entrants
 - 2.5.4 Threat of substitutes
- 2.6 PESTEL analysis

CHAPTER 3 COMPETITIVE LANDSCAPE, 2024

- 3.1 Introduction
- 3.2 Strategic outlook
- 3.3 Innovation & sustainability landscape

CHAPTER 4 MARKET SIZE AND FORECAST, BY FEEDSTOCK, 2021 – 2034 (UNITS & USD MILLION)

- 4.1 Key trends
- 4.2 Woody biomass

- 4.3 Agricultural waste
- 4.4 Industrial waste
- 4.5 Urban residue
- 4.6 Others

CHAPTER 5 MARKET SIZE AND FORECAST, BY PRODUCT, 2021 – 2034 (UNITS & USD MILLION)

- 5.1 Key trends
- 5.2 Stocker
- 5.3 Fluidized bed

CHAPTER 6 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 (UNITS & USD MILLION)

- 6.1 Key trends
- 6.2 Residential
- 6.3 Commercial
- 6.4 Industrial

CHAPTER 7 MARKET SIZE AND FORECAST, BY COUNTRY, 2021 – 2034 (UNITS & USD MILLION)

- 7.1 Key trends
- 7.2 France
- 7.3 UK
- 7.4 Poland
- 7.5 Italy
- 7.6 Spain
- 7.7 Austria
- 7.8 Germany
- 7.9 Sweden
- 7.10 Russia

CHAPTER 8 COMPANY PROFILES

- 8.1 ANDRITZ
- 8.2 ARITERM
- 8.3 Babcock & Wilcox

- 8.4 DP CleanTech
- 8.5 Forbes Marshall
- 8.6 Hoval
- 8.7 Hurst Boiler & Welding
- 8.8 John Wood Group
- 8.9 Maxtherm Boilers
- 8.10 Schmid Energy Solutions
- 8.11 Sofinter
- 8.12 Sugimat
- 8.13 Thermodyne Boilers
- 8.14 Treco
- 8.15 VIESSMANN
- 8.16 Walchandnagar Industries
- 8.17 Windhager
- 8.18 Woodco

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