

Global Torrefied Pellets Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Torrefied Pellets market size is expected to reach \$ 329 million by 2032, rising at a market growth of 12.3% CAGR during the forecast period (2026-2032).

Torrefied pellets are a type of biomass fuel that are produced by heating biomass, such as wood, agricultural residues, or municipal solid waste, in a low-oxygen environment. Torrefaction is a process that removes moisture and volatile compounds from biomass, resulting in a product that has higher energy density, lower moisture content, and better grindability than raw biomass. Torrefied pellets can be used as a substitute for coal or wood pellets in power generation, heating, or industrial applications .

In the past, the black pellet market was dominated by torrefaction technology. Since 2010, Zilkha Biomass Energy has developed steam explosion technology (SE) and expanded its factory capacity in 2014. Then the market share of steam explosion technology has been greatly reduced. In addition, Arbaflame also uses steam explosion technology (SE) to produce black pellets, while other manufacturers use torrefaction technology.

This report studies the global Torrefied Pellets production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Torrefied Pellets and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Torrefied Pellets that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Torrefied Pellets total production and demand, 2021-2032, (K MT)

Global Torrefied Pellets total production value, 2021-2032, (USD Million)

Global Torrefied Pellets production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Torrefied Pellets consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Torrefied Pellets domestic production, consumption, key domestic manufacturers and share

Global Torrefied Pellets production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Torrefied Pellets production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Torrefied Pellets production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Torrefied Pellets market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bionet, Blackwood Technology, Arbaflame, Airex Energy, TNO (ECN), SSGE BioEnergy, Futerra Fuels, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Torrefied Pellets market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (USD/MT) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Torrefied Pellets Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Torrefied Pellets Market, Segmentation by Type:

Torrefaction

Steam Explosion (SE)

Global Torrefied Pellets Market, Segmentation by Raw Material:

Lignocellulosic Biomass

Agricultural Residues

Global Torrefied Pellets Market, Segmentation by Marketing Method:

Direct Sales

Distribution

Global Torrefied Pellets Market, Segmentation by Application:

Power Generation

Others

Companies Profiled:

Bionet

Blackwood Technology

Arbaflame

Airex Energy

TNO (ECN)

SSGE BioEnergy

Futerra Fuels

Key Questions Answered:

1. How big is the global Torrefied Pellets market?
2. What is the demand of the global Torrefied Pellets market?
3. What is the year over year growth of the global Torrefied Pellets market?
4. What is the production and production value of the global Torrefied Pellets market?
5. Who are the key producers in the global Torrefied Pellets market?
6. What are the growth factors driving the market demand?

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