

Biomass Gasification Market, Global Outlook and Forecast 2022-2028

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Abstracts

Biomass gasification is a process which involves a thermo-chemical conversion of biomass into a combustible gas mixture through a partial combustion route with air supply restricted to less than that theoretically needed for full combustion. It also provides a means of deriving more diverse forms of energy from the thermochemical conversion of biomass than conventional combustion. The gasification process includes devolatilization, combustion, and reduction. During devolatilization, methane and other hydrocarbons are produced from the biomass by the action of heat which leaves a reactive char. During combustion, the volatiles and char are partially burned in air/oxygen to generate heat and carbon dioxide. Whereas, in reduction phase, carbon dioxide absorbs heat and reacts with the remaining char to produce carbon monoxide. The main type of gasifiers used to carry out the conversion process are fixed bed gasifiers and fluidized bed gasifiers.

This report contains market size and forecasts of Biomass Gasification in Global, including the following market information:

Global Biomass Gasification Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global Biomass Gasification market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Wood Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Biomass Gasification include Air Liquide, Thyssenkrupp, Synthesis Energy Systems, Siemens, Sedin Engineering Company, Royal Dutch Shell, Mitsubishi Heavy Industries, KBR and General Electric and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Biomass Gasification companies, and industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Biomass Gasification Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global Biomass Gasification Market Segment Percentages, by Type, 2021 (%)

Wood

Animal Waste

Others

Global Biomass Gasification Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global Biomass Gasification Market Segment Percentages, by Application, 2021 (%)

Chemicals

Liquid Fuels

Power and Gas Fuels

Global Biomass Gasification Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions)

Global Biomass Gasification Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Biomass Gasification revenues in global market, 2017-2022 (estimated), (\$ millions)

Key companies Biomass Gasification revenues share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Air Liquide

Thyssenkrupp

Synthesis Energy Systems

Siemens

Sedin Engineering Company

Royal Dutch Shell

Mitsubishi Heavy Industries

KBR

General Electric

CB and I

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