

Microwave Pyrolysis Market - Global Outlook and Forecast 2022-2028

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Abstracts

Microwave pyrolysis (also known as microwave-assisted pyrolysis) is pyrolysis that involves microwave dielectric heating, which is like how food is heated in a microwave oven. The heating is due to the flipping of the orientation of the electric dipoles in the material being heated as the AC electric field of the microwave changes direction, and the associated electrical energy loss.

Microwave pyrolysis is an important technology to produce Biochar by decomposing organic material at elevated temperature in the absence of oxygen. The heat is generated within the heated material by an electromagnetic irradiation. Microwave pyrolysis is highly efficient and controllable process where all material is treated without any emission to environment.

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

Global Microwave Pyrolysis Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global Microwave Pyrolysis market was valued at 175.2 million in 2021 and is projected to reach US\$ 255.8 million by 2028, at a CAGR of 5.6% during the forecast period.

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

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

The global key manufacturers of Microwave Pyrolysis include Resynergi, Puraloop Microwave Technologies, Hunan Huae Microwave Technology Co. Ltd., ChangeME and Changsha Langfeng Microwave Technology Co., Ltd, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Microwave Pyrolysis 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 Microwave Pyrolysis Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global Microwave Pyrolysis Market Segment Percentages, by Type, 2021 (%)

Microwave Pyrolysis Equipment

Accessories and Technical Services

Global Microwave Pyrolysis Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global Microwave Pyrolysis Market Segment Percentages, by Application, 2021 (%)

Sewage Sludge Treatment

Biomass Pyrolysis

Others

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

Global Microwave Pyrolysis 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 Microwave Pyrolysis revenues in global market, 2017-2022 (estimated), (\$ millions)

Key companies Microwave Pyrolysis revenues share in global market, 2021 (%)

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

Resynergi

Puraloop Microwave Technologies

Hunan Huae Microwave Technology Co. Ltd.

ChangeME

Changsha Langfeng Microwave Technology Co., Ltd

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