

Global Carbon Composites Market Size study, by Matrix (Hybrid, Metal, Ceramic, Carbon, and Polymer), by Process (Prepreg Layup Process, Pultrusion and Winding, Wet Lamination, and Infusion Process, Press and Injection Processes, and other processes), by Application (Aerospace and Defense, Automotive, Wind Turbines, Sport and Leisure, Civil Engineering, Marine Applications, and Other Applications) and Regional Forecasts 2022-2028

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Abstracts

Global Carbon Composites Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Carbon composites are materials which contain carbon fiber reinforcements. It enhances the properties of materials such as rigidity and strength. It has major applications in various industries such as Sports and Leisure, Aerospace and Defense, Automotive, Wind Turbines, Civil Engineering, Marine Applications, and Others. The carbon composites market has witnessed beneficial growth with the rising demand for aerospace and defense sectors. According to the Federal Aviation Administration (FAA) in 2017, the total aircraft fleet is projected to grow to around 8,290 by 2038, from 7,141 in 2017, with an annual growth rate of around 0.7% per year. Additionally, according to the IBEF 2020, the number of airplanes is projected to reach 1,100 planes by 2027. The increasing adoption and demand for wind energy is another major factor boosting the market growth. Whereas growing investment by end-user industries and favourable initiatives by market players creates lucrative opportunity for the market. However, higher manufacturing cost impedes the market growth over the forecast period of 2022-2028.

The key regions considered for the global Carbon Composites market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific is expected to dominate the market with lucrative growth rate in the forecast period owing to the factors such as rising demand for carbon composites by end-user industries such as construction, aerospace, sports and leisure, etc. Additionally, rising R&D activities by the key players present across the region. Whereas, Latin America is projected to grow with the highest CAGR rate in the coming years owing to the rising investment in the aerospace and construction industries. Increasing demand and adoption of wind energy is another major factor pushing the market growth over the forecast period.

Major market players included in this report are:

Toray Industries Incorporation

SGL Group

Solvay

Mitsubishi Rayon

Jiangsu Hengshen

Hexcel Corporation

DowAksa

Formosa Plastics Corporation

Zhongfu Shenying Carbon Fibre Co. Ltd.,

Toho Co. Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Matrix:

Hybrid,

Metal,

Ceramic,

Carbon,

Polymer

By Process:

Prepreg Layup Process,
Pultrusion and Winding,
Wet Lamination,
Infusion Process,
Press and Injection Processes,
other processes

By Application:

Aerospace and Defense

Automotive

Wind Turbines

Sport and Leisure

Civil Engineering

Marine Applications

Other Applications

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Global Carbon Composites Market Size study, by Matrix (Hybrid, Metal, Ceramic, Carbon, and Polymer), by Proces...

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Carbon Composites Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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