

# **Global CF & CFRP Market Size study, by Raw Material Type (Polyacrylonitrile (Pan-Based) Carbon Fibres, Pitch-Based Carbon Fibre, Rayon-Based Carbon Fibre), by Resin Type (Thermosetting CFRP, Thermoplastic CFRP), by Manufacturing Process (Lay-Up Process, Compression Molding Process, Resin Transfer Molding Process, Filament Winding Process, Injection Molding Process, Pultrusion Process, Other Processes), by End-Use Industry (Aerospace & Defense, Wind Energy, Automotive, Sporting Goods, Civil Engineering, Pipe & Tank, Marine, Electrical & Electronics, Medical, Other Applications) and Regional Forecasts 2019-2026**

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## **Abstracts**

Global CF & CFRP Market is valued approximately USD 25.04 billion in 2018 and is anticipated to grow with a healthy growth rate of more than 10.40% over the forecast period 2019-2026. Carbon fibre reinforced polymer/plastic is a light weight and strong material that is used in various industries such as aerospace & defense, wind energy, automotive, sporting goods, civil engineering, pipe & tank, marine, electrical & electronics and medical. Due to light weight property of carbon fibre and carbon fibre reinforcement plastics, aircraft manufacturers including Airbus and Boeing are adopting carbon fibre material to manufacture various components in order to reduce weight and increase fuel efficiency. Thus, the aerospace and aircraft industry is expected to contribute significantly in the growth of CF & CFRP market. Further, the increase in

deployment of components made of carbon fibre material in automotive industry in order to achieve higher fuel efficiency is expected to create a lucrative growth in the CF & CFRP market. For instance: in April 2017, Magna International Inc. announced that it is ready to revise the large structural parts it supplies out of carbon fiber. The increasing focus on producing electricity from renewable sources of energy has placed the carbon fibre reinforcement plastic products on surging trend. Moreover, the growing demand for CF & CFRP materials from the emerging economies and the increasing potential opportunities in new applications are the few factors that are expected to create lucrative growth opportunities for the CF & CFRP market over the forecast period. However, high cost of production and the inability to reduce the cycle time are the factors likely to restrain the market growth.

The regional analysis of global CF & CFRP Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the increasing demand of superior performance products in the aerospace & defense industry, demand from Heavy-Duty Vehicle (HDV) and Medium-Duty Vehicle (MDV) for type-II and type-III CNG cylinders, ease of availability of raw materials for CFRP and other developmental strategies in the region. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2019-2026. Factors such as increasing investments in renewable energy and rapidly growing aviation industry would create lucrative growth prospects for the Building Information Modeling (BIM) market across Asia-Pacific region.

Major market player included in this report are:

Toray Industries Inc.

Teijin Limited

Mitsubishi Chemical Holdings Corporation

SGL Group

Formosa Plastics Corporation

Hexcel Corporation

Hyosung

Tencate

Dowaksa

Cytec Solvay Group

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 Raw Material Type:**

Polyacrylonitrile (Pan-Based) Carbon Fibres

Pitch-Based Carbon Fibre

Rayon-Based Carbon Fibre

**By Resin Type:**

Thermosetting CFRP

Thermoplastic CFRP

**By Manufacturing Process:**

Lay-Up Process

Compression Molding Process

Resin Transfer Molding Process

Filament Winding Process

Injection Molding Process

Pultrusion Process

Other Processes

**By End-Use Industry:**

Aerospace & Defense

Wind Energy

Automotive

Sporting Goods

Civil Engineering

Pipe & Tank

Marine

Electrical & Electronics

Medical

Other Applications

**By Region:**

North America

U.S.  
Canada  
Europe  
UK  
Germany  
Asia Pacific  
China  
India  
Japan  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017  
Base year – 2018  
Forecast period – 2019 to 2026

Target Audience of the Global CF & CFRP 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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