

# Global Carbon-Carbon Composite Material Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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#### **Abstracts**

Carbon fiber reinforced carbon matrix materials (Carbon-Carbon Composite Material, C/C) is made from carbon or graphite fiber and matrix of carbon or graphite matrix composite. It has a high temperature, good thermal conductivity, thermal shock, ablation rate, high strength under high temperature, a certain degree of chemical inertness and other special properties.

According to APO Research, The global Carbon-Carbon Composite Material market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

Global Carbon-Carbon Composite Material key players include SGL Carbon, Toyo Tanso, Tokai Carbon, Hexcel, Nippon Carbon, etc. Global top five manufacturers hold a share about 50%.

Asia-Pacific is the largest market, with a share about 40%, followed by Americas and Europe, both have a share about 55 percent.

In terms of product, Chemical Vapor Deposition is the largest segment, with a share about 55%. And in terms of application, the largest application is Aerospace Items, followed by CZ and DSS Furnaces.

In terms of production side, this report researches the Carbon-Carbon Composite Material production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.



In terms of consumption side, this report focuses on the sales of Carbon-Carbon Composite Material by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Carbon-Carbon Composite Material, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Carbon-Carbon Composite Material, also provides the consumption of main regions and countries. Of the upcoming market potential for Carbon-Carbon Composite Material, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Carbon-Carbon Composite Material sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Carbon-Carbon Composite Material market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Carbon-Carbon Composite Material sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including SGL Carbon, Toyo Tanso, Tokai Carbon, Hexcel, Nippon Carbon, MERSEN BENELUX, Toray, CFC Design Inc. and Carbon Composites Inc., etc.

Carbon-Carbon Composite Material segment by Company

SGL Carbon

Toyo Tanso



Tokai Carbon

Hexcel
Nippon Carbon
MERSEN BENELUX
Toray
CFC Design Inc.
Carbon Composites Inc.
GrafTech
Schunk
Americarb
Graphtek LLC
Bay Composites Inc.
Luhang Carbon
GOES
Haoshi Carbon
KBC
Jiuhua Carbon
Chemshine
Boyun



Chaoma		
Baimtec		
Jining Carbon		
Carbon-Carbon Composite Material segment by Type		
Chemical Vapor Deposition		
Liquid Impregnation Process		
Carbon-Carbon Composite Material segment by Application		
CZ and DSS Furnaces		
C/C Grid Shelving Systems		
Glass Handling Industry		
Aerospace Items		
Basic C/C Plate Stock Producing		
Others		
Carbon-Carbon Composite Material segment by Region		
North America		
U.S.		
Canada		
Europe		



Germany
France
U.K.
Italy
Russia
Asia-Pacific
China
Japan
South Korea
India
Australia
China Taiwan
Indonesia
Thailand
Malaysia
Latin America
Mexico
Brazil
Argentina
Middle East & Africa



Turkey

Saudi Arabia

**UAE** 

#### Study Objectives

- 1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
- 2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
- 3. To split the breakdown data by regions, type, manufacturers, and Application.
- 4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
- 5. To identify significant trends, drivers, influence factors in global and regions.
- 6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

#### Reasons to Buy This Report

- 1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Carbon-Carbon Composite Material market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
- 2. This report will help stakeholders to understand the global industry status and trends of Carbon-Carbon Composite Material and provides them with information on key



market drivers, restraints, challenges, and opportunities.

- 3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
- 4. This report stays updated with novel technology integration, features, and the latest developments in the market.
- 5. This report helps stakeholders to gain insights into which regions to target globally.
- 6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Carbon-Carbon Composite Material.
- 7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

#### **Chapter Outline**

Chapter 1: Provides an overview of the Carbon-Carbon Composite Material market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Carbon-Carbon Composite Material industry.

Chapter 3: Detailed analysis of Carbon-Carbon Composite Material market competition landscape. Including Carbon-Carbon Composite Material manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.



Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Carbon-Carbon Composite Material by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Carbon-Carbon Composite Material in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.



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