

Carbon-Carbon Composite Material Industry Research Report 2024

https://marketpublishers.com/r/CBB89AFC2D00EN.html

Date: April 2024

Pages: 142

Price: US\$ 2,950.00 (Single User License)

ID: CBB89AFC2D00EN

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 was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

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.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Carbon-Carbon Composite Material, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive



situation, analyze their position in the current marketplace, and make informed business decisions regarding Carbon-Carbon Composite Material.

The report will help the Carbon-Carbon Composite Material manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The Carbon-Carbon Composite Material market size, estimations, and forecasts are provided in terms of sales volume (Tonnes) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Carbon-Carbon Composite Material market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

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

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

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: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Carbon-Carbon Composite Material manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: 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 5: Production/output, value of Carbon-Carbon Composite Material by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: 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 7: 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 8: 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 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Chapter 11: The main points and conclusions of the report.



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