

# Global Carbon-Carbon Composite Material Market Size, Manufacturers, Growth Analysis Industry Forecast to 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.

This report presents an overview of global market for Carbon-Carbon Composite Material, sales, 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 sales 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

*Global Carbon-Carbon Composite Material Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030*

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

*Global Carbon-Carbon Composite Material Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030*

1. To analyze and research the global Carbon-Carbon Composite Material status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, sales, 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 Carbon-Carbon Composite Material market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Carbon-Carbon Composite Material significant trends, drivers, influence factors in global and regions.
6. To analyze Carbon-Carbon Composite Material 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 sales 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, sales value, sales volume, 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 manufacturers competitive landscape, price, sales and revenue market share, latest development plan, 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: Sales and value of Carbon-Carbon Composite Material in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of each country in the world.

Chapter 7: Sales and value of Carbon-Carbon Composite Material in country level. It provides sigma data by type, and by application for each country/region.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

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

Chapter 10: Concluding Insights.

Chapter 10: Concluding Insights.



## Contents

### **1 MARKET OVERVIEW**

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
  - 1.2.1 Global Carbon-Carbon Composite Material Sales Value (2019-2030)
  - 1.2.2 Global Carbon-Carbon Composite Material Sales Volume (2019-2030)
  - 1.2.3 Global Carbon-Carbon Composite Material Sales Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

### **2 CARBON-CARBON COMPOSITE MATERIAL MARKET DYNAMICS**

- 2.1 Carbon-Carbon Composite Material Industry Trends
- 2.2 Carbon-Carbon Composite Material Industry Drivers
- 2.3 Carbon-Carbon Composite Material Industry Opportunities and Challenges
- 2.4 Carbon-Carbon Composite Material Industry Restraints

### **3 CARBON-CARBON COMPOSITE MATERIAL MARKET BY COMPANY**

- 3.1 Global Carbon-Carbon Composite Material Company Revenue Ranking in 2023
- 3.2 Global Carbon-Carbon Composite Material Revenue by Company (2019-2024)
- 3.3 Global Carbon-Carbon Composite Material Sales Volume by Company (2019-2024)
- 3.4 Global Carbon-Carbon Composite Material Average Price by Company (2019-2024)
- 3.5 Global Carbon-Carbon Composite Material Company Ranking, 2022 VS 2023 VS 2024
- 3.6 Global Carbon-Carbon Composite Material Company Manufacturing Base & Headquarters
- 3.7 Global Carbon-Carbon Composite Material Company, Product Type & Application
- 3.8 Global Carbon-Carbon Composite Material Company Commercialization Time
- 3.9 Market Competitive Analysis
  - 3.9.1 Global Carbon-Carbon Composite Material Market CR5 and HHI
  - 3.9.2 Global Top 5 and 10 Company Market Share by Revenue in 2023
  - 3.9.3 2023 Carbon-Carbon Composite Material Tier 1, Tier 2, and Tier
- 3.10 Mergers & Acquisitions, Expansion

### **4 CARBON-CARBON COMPOSITE MATERIAL MARKET BY TYPE**

#### 4.1 Carbon-Carbon Composite Material Type Introduction

4.1.1 Chemical Vapor Deposition

4.1.2 Liquid Impregnation Process

#### 4.2 Global Carbon-Carbon Composite Material Sales Volume by Type

4.2.1 Global Carbon-Carbon Composite Material Sales Volume by Type (2019 VS 2023 VS 2030)

4.2.2 Global Carbon-Carbon Composite Material Sales Volume by Type (2019-2030)

4.2.3 Global Carbon-Carbon Composite Material Sales Volume Share by Type (2019-2030)

#### 4.3 Global Carbon-Carbon Composite Material Sales Value by Type

4.3.1 Global Carbon-Carbon Composite Material Sales Value by Type (2019 VS 2023 VS 2030)

4.3.2 Global Carbon-Carbon Composite Material Sales Value by Type (2019-2030)

4.3.3 Global Carbon-Carbon Composite Material Sales Value Share by Type (2019-2030)

### **5 CARBON-CARBON COMPOSITE MATERIAL MARKET BY APPLICATION**

#### 5.1 Carbon-Carbon Composite Material Application Introduction

5.1.1 CZ and DSS Furnaces

5.1.2 C/C Grid Shelving Systems

5.1.3 Glass Handling Industry

5.1.4 Aerospace Items

5.1.5 Basic C/C Plate Stock Producing

5.1.6 Others

#### 5.2 Global Carbon-Carbon Composite Material Sales Volume by Application

5.2.1 Global Carbon-Carbon Composite Material Sales Volume by Application (2019 VS 2023 VS 2030)

5.2.2 Global Carbon-Carbon Composite Material Sales Volume by Application (2019-2030)

5.2.3 Global Carbon-Carbon Composite Material Sales Volume Share by Application (2019-2030)

#### 5.3 Global Carbon-Carbon Composite Material Sales Value by Application

5.3.1 Global Carbon-Carbon Composite Material Sales Value by Application (2019 VS 2023 VS 2030)

5.3.2 Global Carbon-Carbon Composite Material Sales Value by Application (2019-2030)

5.3.3 Global Carbon-Carbon Composite Material Sales Value Share by Application (2019-2030)

## **6 CARBON-CARBON COMPOSITE MATERIAL MARKET BY REGION**

6.1 Global Carbon-Carbon Composite Material Sales by Region: 2019 VS 2023 VS 2030

6.2 Global Carbon-Carbon Composite Material Sales by Region (2019-2030)

6.2.1 Global Carbon-Carbon Composite Material Sales by Region: 2019-2024

6.2.2 Global Carbon-Carbon Composite Material Sales by Region (2025-2030)

6.3 Global Carbon-Carbon Composite Material Sales Value by Region: 2019 VS 2023 VS 2030

6.4 Global Carbon-Carbon Composite Material Sales Value by Region (2019-2030)

6.4.1 Global Carbon-Carbon Composite Material Sales Value by Region: 2019-2024

6.4.2 Global Carbon-Carbon Composite Material Sales Value by Region (2025-2030)

6.5 Global Carbon-Carbon Composite Material Market Price Analysis by Region (2019-2024)

6.6 North America

6.6.1 North America Carbon-Carbon Composite Material Sales Value (2019-2030)

6.6.2 North America Carbon-Carbon Composite Material Sales Value Share by Country, 2023 VS 2030

6.7 Europe

6.7.1 Europe Carbon-Carbon Composite Material Sales Value (2019-2030)

6.7.2 Europe Carbon-Carbon Composite Material Sales Value Share by Country, 2023 VS 2030

6.8 Asia-Pacific

6.8.1 Asia-Pacific Carbon-Carbon Composite Material Sales Value (2019-2030)

6.8.2 Asia-Pacific Carbon-Carbon Composite Material Sales Value Share by Country, 2023 VS 2030

6.9 Latin America

6.9.1 Latin America Carbon-Carbon Composite Material Sales Value (2019-2030)

6.9.2 Latin America Carbon-Carbon Composite Material Sales Value Share by Country, 2023 VS 2030

6.10 Middle East & Africa

6.10.1 Middle East & Africa Carbon-Carbon Composite Material Sales Value (2019-2030)

6.10.2 Middle East & Africa Carbon-Carbon Composite Material Sales Value Share by Country, 2023 VS 2030

## **7 CARBON-CARBON COMPOSITE MATERIAL MARKET BY COUNTRY**

7.1 Global Carbon-Carbon Composite Material Sales by Country: 2019 VS 2023 VS 2030

7.2 Global Carbon-Carbon Composite Material Sales Value by Country: 2019 VS 2023 VS 2030

7.3 Global Carbon-Carbon Composite Material Sales by Country (2019-2030)

7.3.1 Global Carbon-Carbon Composite Material Sales by Country (2019-2024)

7.3.2 Global Carbon-Carbon Composite Material Sales by Country (2025-2030)

7.4 Global Carbon-Carbon Composite Material Sales Value by Country (2019-2030)

7.4.1 Global Carbon-Carbon Composite Material Sales Value by Country (2019-2024)

7.4.2 Global Carbon-Carbon Composite Material Sales Value by Country (2025-2030)

7.5 USA

7.5.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.5.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.5.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.6 Canada

7.6.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.6.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.6.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.7 Germany

7.7.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.7.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.7.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.8 France

7.8.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.8.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.8.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.9 U.K.

- 7.9.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)
- 7.9.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030
- 7.9.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030
- 7.10 Italy
  - 7.10.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)
  - 7.10.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030
  - 7.10.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030
- 7.11 Netherlands
  - 7.11.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)
  - 7.11.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030
  - 7.11.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030
- 7.12 Nordic Countries
  - 7.12.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)
  - 7.12.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030
  - 7.12.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030
- 7.13 China
  - 7.13.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)
  - 7.13.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030
  - 7.13.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030
- 7.14 Japan
  - 7.14.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)
  - 7.14.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.14.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.15 South Korea

7.15.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.15.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.15.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.16 Southeast Asia

7.16.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.16.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.16.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.17 India

7.17.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.17.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.17.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.18 Australia

7.18.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.18.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.18.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.19 Mexico

7.19.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.19.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.19.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.20 Brazil

7.20.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate

(2019-2030)

7.20.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.20.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.21 Turkey

7.21.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.21.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.21.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.22 Saudi Arabia

7.22.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.22.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.22.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

7.23 UAE

7.23.1 Global Carbon-Carbon Composite Material Sales Value Growth Rate (2019-2030)

7.23.2 Global Carbon-Carbon Composite Material Sales Value Share by Type, 2023 VS 2030

7.23.3 Global Carbon-Carbon Composite Material Sales Value Share by Application, 2023 VS 2030

## **8 COMPANY PROFILES**

8.1 SGL Carbon

8.1.1 SGL Carbon Company Information

8.1.2 SGL Carbon Business Overview

8.1.3 SGL Carbon Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.1.4 SGL Carbon Carbon-Carbon Composite Material Product Portfolio

8.1.5 SGL Carbon Recent Developments

8.2 Toyo Tanso

8.2.1 Toyo Tanso Company Information

8.2.2 Toyo Tanso Business Overview

8.2.3 Toyo Tanso Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.2.4 Toyo Tanso Carbon-Carbon Composite Material Product Portfolio

8.2.5 Toyo Tanso Recent Developments

8.3 Tokai Carbon

8.3.1 Tokai Carbon Company Information

8.3.2 Tokai Carbon Business Overview

8.3.3 Tokai Carbon Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.3.4 Tokai Carbon Carbon-Carbon Composite Material Product Portfolio

8.3.5 Tokai Carbon Recent Developments

8.4 Hexcel

8.4.1 Hexcel Company Information

8.4.2 Hexcel Business Overview

8.4.3 Hexcel Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.4.4 Hexcel Carbon-Carbon Composite Material Product Portfolio

8.4.5 Hexcel Recent Developments

8.5 Nippon Carbon

8.5.1 Nippon Carbon Company Information

8.5.2 Nippon Carbon Business Overview

8.5.3 Nippon Carbon Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.5.4 Nippon Carbon Carbon-Carbon Composite Material Product Portfolio

8.5.5 Nippon Carbon Recent Developments

8.6 MERSEN BENELUX

8.6.1 MERSEN BENELUX Company Information

8.6.2 MERSEN BENELUX Business Overview

8.6.3 MERSEN BENELUX Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.6.4 MERSEN BENELUX Carbon-Carbon Composite Material Product Portfolio

8.6.5 MERSEN BENELUX Recent Developments

8.7 Toray

8.7.1 Toray Company Information

8.7.2 Toray Business Overview

8.7.3 Toray Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.7.4 Toray Carbon-Carbon Composite Material Product Portfolio

8.7.5 Toray Recent Developments



## 8.8 CFC Design Inc.

8.8.1 CFC Design Inc. Company Information

8.8.2 CFC Design Inc. Business Overview

8.8.3 CFC Design Inc. Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.8.4 CFC Design Inc. Carbon-Carbon Composite Material Product Portfolio

8.8.5 CFC Design Inc. Recent Developments

## 8.9 Carbon Composites Inc.

8.9.1 Carbon Composites Inc. Company Information

8.9.2 Carbon Composites Inc. Business Overview

8.9.3 Carbon Composites Inc. Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.9.4 Carbon Composites Inc. Carbon-Carbon Composite Material Product Portfolio

8.9.5 Carbon Composites Inc. Recent Developments

## 8.10 GrafTech

8.10.1 GrafTech Company Information

8.10.2 GrafTech Business Overview

8.10.3 GrafTech Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.10.4 GrafTech Carbon-Carbon Composite Material Product Portfolio

8.10.5 GrafTech Recent Developments

## 8.11 Schunk

8.11.1 Schunk Company Information

8.11.2 Schunk Business Overview

8.11.3 Schunk Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.11.4 Schunk Carbon-Carbon Composite Material Product Portfolio

8.11.5 Schunk Recent Developments

## 8.12 Americarb

8.12.1 Americarb Company Information

8.12.2 Americarb Business Overview

8.12.3 Americarb Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

8.12.4 Americarb Carbon-Carbon Composite Material Product Portfolio

8.12.5 Americarb Recent Developments

## 8.13 Graphtek LLC

8.13.1 Graphtek LLC Company Information

8.13.2 Graphtek LLC Business Overview

8.13.3 Graphtek LLC Carbon-Carbon Composite Material Sales, Value and Gross

## Margin (2019-2024)

8.13.4 Graphtek LLC Carbon-Carbon Composite Material Product Portfolio

8.13.5 Graphtek LLC Recent Developments

## 8.14 Bay Composites Inc.

8.14.1 Bay Composites Inc. Company Information

8.14.2 Bay Composites Inc. Business Overview

8.14.3 Bay Composites Inc. Carbon-Carbon Composite Material Sales, Value and

## Gross Margin (2019-2024)

8.14.4 Bay Composites Inc. Carbon-Carbon Composite Material Product Portfolio

8.14.5 Bay Composites Inc. Recent Developments

## 8.15 Luhang Carbon

8.15.1 Luhang Carbon Company Information

8.15.2 Luhang Carbon Business Overview

8.15.3 Luhang Carbon Carbon-Carbon Composite Material Sales, Value and Gross

## Margin (2019-2024)

8.15.4 Luhang Carbon Carbon-Carbon Composite Material Product Portfolio

8.15.5 Luhang Carbon Recent Developments

## 8.16 GOES

8.16.1 GOES Company Information

8.16.2 GOES Business Overview

8.16.3 GOES Carbon-Carbon Composite Material Sales, Value and Gross Margin

## (2019-2024)

8.16.4 GOES Carbon-Carbon Composite Material Product Portfolio

8.16.5 GOES Recent Developments

## 8.17 Haoshi Carbon

8.17.1 Haoshi Carbon Company Information

8.17.2 Haoshi Carbon Business Overview

8.17.3 Haoshi Carbon Carbon-Carbon Composite Material Sales, Value and Gross

## Margin (2019-2024)

8.17.4 Haoshi Carbon Carbon-Carbon Composite Material Product Portfolio

8.17.5 Haoshi Carbon Recent Developments

## 8.18 KBC

8.18.1 KBC Company Information

8.18.2 KBC Business Overview

8.18.3 KBC Carbon-Carbon Composite Material Sales, Value and Gross Margin

## (2019-2024)

8.18.4 KBC Carbon-Carbon Composite Material Product Portfolio

8.18.5 KBC Recent Developments

## 8.19 Jiu Hua Carbon

- 8.19.1 Jiuhua Carbon Comapny Information
- 8.19.2 Jiuhua Carbon Business Overview
- 8.19.3 Jiuhua Carbon Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)
- 8.19.4 Jiuhua Carbon Carbon-Carbon Composite Material Product Portfolio
- 8.19.5 Jiuhua Carbon Recent Developments
- 8.20 Chemshine
  - 8.20.1 Chemshine Comapny Information
  - 8.20.2 Chemshine Business Overview
  - 8.20.3 Chemshine Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)
  - 8.20.4 Chemshine Carbon-Carbon Composite Material Product Portfolio
  - 8.20.5 Chemshine Recent Developments
- 8.21 Boyun
  - 8.21.1 Boyun Comapny Information
  - 8.21.2 Boyun Business Overview
  - 8.21.3 Boyun Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)
  - 8.21.4 Boyun Carbon-Carbon Composite Material Product Portfolio
  - 8.21.5 Boyun Recent Developments
- 8.22 Chaoma
  - 8.22.1 Chaoma Comapny Information
  - 8.22.2 Chaoma Business Overview
  - 8.22.3 Chaoma Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)
  - 8.22.4 Chaoma Carbon-Carbon Composite Material Product Portfolio
  - 8.22.5 Chaoma Recent Developments
- 8.23 Baimtec
  - 8.23.1 Baimtec Comapny Information
  - 8.23.2 Baimtec Business Overview
  - 8.23.3 Baimtec Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)
  - 8.23.4 Baimtec Carbon-Carbon Composite Material Product Portfolio
  - 8.23.5 Baimtec Recent Developments
- 8.24 Jining Carbon
  - 8.24.1 Jining Carbon Comapny Information
  - 8.24.2 Jining Carbon Business Overview
  - 8.24.3 Jining Carbon Carbon-Carbon Composite Material Sales, Value and Gross Margin (2019-2024)

- 8.24.4 Jining Carbon Carbon-Carbon Composite Material Product Portfolio
- 8.24.5 Jining Carbon Recent Developments

## **9 VALUE CHAIN AND SALES CHANNELS ANALYSIS**

- 9.1 Carbon-Carbon Composite Material Value Chain Analysis
  - 9.1.1 Carbon-Carbon Composite Material Key Raw Materials
  - 9.1.2 Raw Materials Key Suppliers
  - 9.1.3 Manufacturing Cost Structure
  - 9.1.4 Carbon-Carbon Composite Material Sales Mode & Process
- 9.2 Carbon-Carbon Composite Material Sales Channels Analysis
  - 9.2.1 Direct Comparison with Distribution Share
  - 9.2.2 Carbon-Carbon Composite Material Distributors
  - 9.2.3 Carbon-Carbon Composite Material Customers

## **10 CONCLUDING INSIGHTS**

## **11 APPENDIX**

- 11.1 Reasons for Doing This Study
- 11.2 Research Methodology
- 11.3 Research Process
- 11.4 Authors List of This Report
- 11.5 Data Source
  - 11.5.1 Secondary Sources
  - 11.5.2 Primary Sources
- 11.6 Disclaimer

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