

# Global Airplane Carbon Brake Disc Market Size, Manufacturers, Opportunities and Forecast to 2030

<https://marketpublishers.com/r/GDD91B3E9D6BEN.html>

Date: April 2024

Pages: 108

Price: US\$ 3,450.00 (Single User License)

ID: GDD91B3E9D6BEN

## Abstracts

Airplane Carbon Brake Disc is mounted in airplane wheel brake device, it is an important component which is usually used for takeoff, landing, gliding, turning and stopping the. It realizes brake and ensures the safety of a flight and is belonging to the consumable parts.

There are two kinds of airplane brake disc, powder metallurgy brakes and carbon brakes. It is the inevitable trend that carbon brakes, which have excellent mechanical properties, thermal physical properties and good friction and wear properties, will replace powder metallurgy brakes in the aviation industry.

Airplane carbon brake disc is an advanced technique in brake device. Compared to steel brakes, it is lighter, has better heat dissipation property, and does not reduce the energy absorption characteristics at high temperatures.

According to APO Research, The global Airplane Carbon Brake Disc market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Europe is the largest Airplane Carbon Brake Disc market with about 63% market share. US is follower, accounting for about 27% market share.

The key players are Messier-Bugatti(FR), UTC Aerospace Systems (USA), Meggitt Airplane Braking Systems(UK), Honeywell (USA), Xi'an Aviation Brake Technology(CN), Xi'an Chaoma Technology(CN), Hunan Boyun New Materials(CN), Beijing Baimtec Material(CN), Lantai Aviation Equipment(CN), Luhang Carbon Materials(CN) etc. Top 3 companies occupied about 77% market share.

## Report Scope

This report aims to provide a comprehensive presentation of the global market for Airplane Carbon Brake Disc, 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 Airplane Carbon Brake Disc.

The Airplane Carbon Brake Disc market size, estimations, and forecasts are provided in terms of sales volume (K Units) 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 Airplane Carbon Brake Disc 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:

Messier-Bugatti (FR)

UTC Aerospace Systems (USA)

Meggitt Airplane Braking Systems (UK)

Honeywell (USA)

Xi'an Aviation Brake Technology (CN)

Xi'an Chaoma Technology (CN)

Hunan Boyun New Materials (CN)

Beijing Baimtec Material (CN)

Lantai Aviation Equipment (CN)

Luhang Carbon Materials (CN)

#### Airplane Carbon Brake Disc segment by Type

CVD

Short Fiber Impregnated Carbonization

#### Airplane Carbon Brake Disc segment by Application

Civil Aviation

Military Aircraft

#### Airplane Carbon Brake Disc 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 Airplane Carbon Brake Disc 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 Airplane Carbon Brake Disc 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 Airplane Carbon Brake Disc.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: 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 3: Detailed analysis of Airplane Carbon Brake Disc manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Airplane Carbon Brake Disc in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: 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 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
  - 1.2.1 Global Airplane Carbon Brake Disc Market Size Estimates and Forecasts (2019-2030)
  - 1.2.2 Global Airplane Carbon Brake Disc Sales Estimates and Forecasts (2019-2030)
- 1.3 Airplane Carbon Brake Disc Market by Type
  - 1.3.1 CVD
  - 1.3.2 Short Fiber Impregnated Carbonization
- 1.4 Global Airplane Carbon Brake Disc Market Size by Type
  - 1.4.1 Global Airplane Carbon Brake Disc Market Size Overview by Type (2019-2030)
  - 1.4.2 Global Airplane Carbon Brake Disc Historic Market Size Review by Type (2019-2024)
  - 1.4.3 Global Airplane Carbon Brake Disc Forecasted Market Size by Type (2025-2030)
- 1.5 Key Regions Market Size by Type
  - 1.5.1 North America Airplane Carbon Brake Disc Sales Breakdown by Type (2019-2024)
  - 1.5.2 Europe Airplane Carbon Brake Disc Sales Breakdown by Type (2019-2024)
  - 1.5.3 Asia-Pacific Airplane Carbon Brake Disc Sales Breakdown by Type (2019-2024)
  - 1.5.4 Latin America Airplane Carbon Brake Disc Sales Breakdown by Type (2019-2024)
  - 1.5.5 Middle East and Africa Airplane Carbon Brake Disc Sales Breakdown by Type (2019-2024)

### 2 GLOBAL MARKET DYNAMICS

- 2.1 Airplane Carbon Brake Disc Industry Trends
- 2.2 Airplane Carbon Brake Disc Industry Drivers
- 2.3 Airplane Carbon Brake Disc Industry Opportunities and Challenges
- 2.4 Airplane Carbon Brake Disc Industry Restraints

### 3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by Airplane Carbon Brake Disc Revenue (2019-2024)
- 3.2 Global Top Players by Airplane Carbon Brake Disc Sales (2019-2024)
- 3.3 Global Top Players by Airplane Carbon Brake Disc Price (2019-2024)

3.4 Global Airplane Carbon Brake Disc Industry Company Ranking, 2022 VS 2023 VS 2024

3.5 Global Airplane Carbon Brake Disc Key Company Manufacturing Sites & Headquarters

3.6 Global Airplane Carbon Brake Disc Company, Product Type & Application

3.7 Global Airplane Carbon Brake Disc Company Commercialization Time

3.8 Market Competitive Analysis

3.8.1 Global Airplane Carbon Brake Disc Market CR5 and HHI

3.8.2 Global Top 5 and 10 Airplane Carbon Brake Disc Players Market Share by Revenue in 2023

3.8.3 2023 Airplane Carbon Brake Disc Tier 1, Tier 2, and Tier

## **4 AIRPLANE CARBON BRAKE DISC REGIONAL STATUS AND OUTLOOK**

4.1 Global Airplane Carbon Brake Disc Market Size and CAGR by Region: 2019 VS 2023 VS 2030

4.2 Global Airplane Carbon Brake Disc Historic Market Size by Region

4.2.1 Global Airplane Carbon Brake Disc Sales in Volume by Region (2019-2024)

4.2.2 Global Airplane Carbon Brake Disc Sales in Value by Region (2019-2024)

4.2.3 Global Airplane Carbon Brake Disc Sales (Volume & Value), Price and Gross Margin (2019-2024)

4.3 Global Airplane Carbon Brake Disc Forecasted Market Size by Region

4.3.1 Global Airplane Carbon Brake Disc Sales in Volume by Region (2025-2030)

4.3.2 Global Airplane Carbon Brake Disc Sales in Value by Region (2025-2030)

4.3.3 Global Airplane Carbon Brake Disc Sales (Volume & Value), Price and Gross Margin (2025-2030)

## **5 AIRPLANE CARBON BRAKE DISC BY APPLICATION**

5.1 Airplane Carbon Brake Disc Market by Application

5.1.1 Civil Aviation

5.1.2 Military Aircraft

5.2 Global Airplane Carbon Brake Disc Market Size by Application

5.2.1 Global Airplane Carbon Brake Disc Market Size Overview by Application (2019-2030)

5.2.2 Global Airplane Carbon Brake Disc Historic Market Size Review by Application (2019-2024)

5.2.3 Global Airplane Carbon Brake Disc Forecasted Market Size by Application (2025-2030)



## 5.3 Key Regions Market Size by Application

5.3.1 North America Airplane Carbon Brake Disc Sales Breakdown by Application (2019-2024)

5.3.2 Europe Airplane Carbon Brake Disc Sales Breakdown by Application (2019-2024)

5.3.3 Asia-Pacific Airplane Carbon Brake Disc Sales Breakdown by Application (2019-2024)

5.3.4 Latin America Airplane Carbon Brake Disc Sales Breakdown by Application (2019-2024)

5.3.5 Middle East and Africa Airplane Carbon Brake Disc Sales Breakdown by Application (2019-2024)

## 6 COMPANY PROFILES

### 6.1 Messier-Bugatti (FR)

6.1.1 Messier-Bugatti (FR) Company Information

6.1.2 Messier-Bugatti (FR) Business Overview

6.1.3 Messier-Bugatti (FR) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.1.4 Messier-Bugatti (FR) Airplane Carbon Brake Disc Product Portfolio

6.1.5 Messier-Bugatti (FR) Recent Developments

### 6.2 UTC Aerospace Systems (USA)

6.2.1 UTC Aerospace Systems (USA) Company Information

6.2.2 UTC Aerospace Systems (USA) Business Overview

6.2.3 UTC Aerospace Systems (USA) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.2.4 UTC Aerospace Systems (USA) Airplane Carbon Brake Disc Product Portfolio

6.2.5 UTC Aerospace Systems (USA) Recent Developments

### 6.3 Meggitt Airplane Braking Systems (UK)

6.3.1 Meggitt Airplane Braking Systems (UK) Company Information

6.3.2 Meggitt Airplane Braking Systems (UK) Business Overview

6.3.3 Meggitt Airplane Braking Systems (UK) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.3.4 Meggitt Airplane Braking Systems (UK) Airplane Carbon Brake Disc Product Portfolio

6.3.5 Meggitt Airplane Braking Systems (UK) Recent Developments

### 6.4 Honeywell (USA)

6.4.1 Honeywell (USA) Company Information

6.4.2 Honeywell (USA) Business Overview

6.4.3 Honeywell (USA) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.4.4 Honeywell (USA) Airplane Carbon Brake Disc Product Portfolio

6.4.5 Honeywell (USA) Recent Developments

6.5 Xi'an Aviation Brake Technology (CN)

6.5.1 Xi'an Aviation Brake Technology (CN) Company Information

6.5.2 Xi'an Aviation Brake Technology (CN) Business Overview

6.5.3 Xi'an Aviation Brake Technology (CN) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.5.4 Xi'an Aviation Brake Technology (CN) Airplane Carbon Brake Disc Product Portfolio

6.5.5 Xi'an Aviation Brake Technology (CN) Recent Developments

6.6 Xi'an Chaoma Technology (CN)

6.6.1 Xi'an Chaoma Technology (CN) Company Information

6.6.2 Xi'an Chaoma Technology (CN) Business Overview

6.6.3 Xi'an Chaoma Technology (CN) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.6.4 Xi'an Chaoma Technology (CN) Airplane Carbon Brake Disc Product Portfolio

6.6.5 Xi'an Chaoma Technology (CN) Recent Developments

6.7 Hunan Boyun New Materials (CN)

6.7.1 Hunan Boyun New Materials (CN) Company Information

6.7.2 Hunan Boyun New Materials (CN) Business Overview

6.7.3 Hunan Boyun New Materials (CN) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.7.4 Hunan Boyun New Materials (CN) Airplane Carbon Brake Disc Product Portfolio

6.7.5 Hunan Boyun New Materials (CN) Recent Developments

6.8 Beijing Baimtec Material (CN)

6.8.1 Beijing Baimtec Material (CN) Company Information

6.8.2 Beijing Baimtec Material (CN) Business Overview

6.8.3 Beijing Baimtec Material (CN) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.8.4 Beijing Baimtec Material (CN) Airplane Carbon Brake Disc Product Portfolio

6.8.5 Beijing Baimtec Material (CN) Recent Developments

6.9 Lantai Aviation Equipment (CN)

6.9.1 Lantai Aviation Equipment (CN) Company Information

6.9.2 Lantai Aviation Equipment (CN) Business Overview

6.9.3 Lantai Aviation Equipment (CN) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)

6.9.4 Lantai Aviation Equipment (CN) Airplane Carbon Brake Disc Product Portfolio

- 6.9.5 Lantai Aviation Equipment (CN) Recent Developments
- 6.10 Luhang Carbon Materials (CN)
  - 6.10.1 Luhang Carbon Materials (CN) Company Information
  - 6.10.2 Luhang Carbon Materials (CN) Business Overview
  - 6.10.3 Luhang Carbon Materials (CN) Airplane Carbon Brake Disc Sales, Revenue and Gross Margin (2019-2024)
  - 6.10.4 Luhang Carbon Materials (CN) Airplane Carbon Brake Disc Product Portfolio
  - 6.10.5 Luhang Carbon Materials (CN) Recent Developments

## **7 NORTH AMERICA BY COUNTRY**

- 7.1 North America Airplane Carbon Brake Disc Sales by Country
  - 7.1.1 North America Airplane Carbon Brake Disc Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 7.1.2 North America Airplane Carbon Brake Disc Sales by Country (2019-2024)
  - 7.1.3 North America Airplane Carbon Brake Disc Sales Forecast by Country (2025-2030)
- 7.2 North America Airplane Carbon Brake Disc Market Size by Country
  - 7.2.1 North America Airplane Carbon Brake Disc Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 7.2.2 North America Airplane Carbon Brake Disc Market Size by Country (2019-2024)
  - 7.2.3 North America Airplane Carbon Brake Disc Market Size Forecast by Country (2025-2030)

## **8 EUROPE BY COUNTRY**

- 8.1 Europe Airplane Carbon Brake Disc Sales by Country
  - 8.1.1 Europe Airplane Carbon Brake Disc Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 8.1.2 Europe Airplane Carbon Brake Disc Sales by Country (2019-2024)
  - 8.1.3 Europe Airplane Carbon Brake Disc Sales Forecast by Country (2025-2030)
- 8.2 Europe Airplane Carbon Brake Disc Market Size by Country
  - 8.2.1 Europe Airplane Carbon Brake Disc Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030
  - 8.2.2 Europe Airplane Carbon Brake Disc Market Size by Country (2019-2024)
  - 8.2.3 Europe Airplane Carbon Brake Disc Market Size Forecast by Country (2025-2030)

## **9 ASIA-PACIFIC BY COUNTRY**

## 9.1 Asia-Pacific Airplane Carbon Brake Disc Sales by Country

9.1.1 Asia-Pacific Airplane Carbon Brake Disc Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Airplane Carbon Brake Disc Sales by Country (2019-2024)

9.1.3 Asia-Pacific Airplane Carbon Brake Disc Sales Forecast by Country (2025-2030)

## 9.2 Asia-Pacific Airplane Carbon Brake Disc Market Size by Country

9.2.1 Asia-Pacific Airplane Carbon Brake Disc Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Airplane Carbon Brake Disc Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Airplane Carbon Brake Disc Market Size Forecast by Country (2025-2030)

# 10 LATIN AMERICA BY COUNTRY

## 10.1 Latin America Airplane Carbon Brake Disc Sales by Country

10.1.1 Latin America Airplane Carbon Brake Disc Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Airplane Carbon Brake Disc Sales by Country (2019-2024)

10.1.3 Latin America Airplane Carbon Brake Disc Sales Forecast by Country (2025-2030)

## 10.2 Latin America Airplane Carbon Brake Disc Market Size by Country

10.2.1 Latin America Airplane Carbon Brake Disc Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Airplane Carbon Brake Disc Market Size by Country (2019-2024)

10.2.3 Latin America Airplane Carbon Brake Disc Market Size Forecast by Country (2025-2030)

# 11 MIDDLE EAST AND AFRICA BY COUNTRY

## 11.1 Middle East and Africa Airplane Carbon Brake Disc Sales by Country

11.1.1 Middle East and Africa Airplane Carbon Brake Disc Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Airplane Carbon Brake Disc Sales by Country (2019-2024)

11.1.3 Middle East and Africa Airplane Carbon Brake Disc Sales Forecast by Country (2025-2030)

## 11.2 Middle East and Africa Airplane Carbon Brake Disc Market Size by Country

11.2.1 Middle East and Africa Airplane Carbon Brake Disc Market Size Growth Rate

(CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Airplane Carbon Brake Disc Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Airplane Carbon Brake Disc Market Size Forecast by Country (2025-2030)

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

12.1 Airplane Carbon Brake Disc Value Chain Analysis

12.1.1 Airplane Carbon Brake Disc Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Airplane Carbon Brake Disc Production Mode & Process

12.2 Airplane Carbon Brake Disc Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Airplane Carbon Brake Disc Distributors

12.2.3 Airplane Carbon Brake Disc Customers

## **13 CONCLUDING INSIGHTS**

## **14 APPENDIX**

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

## I would like to order

Product name: Global Airplane Carbon Brake Disc Market Size, Manufacturers, Opportunities and Forecast to 2030

Product link: <https://marketpublishers.com/r/GDD91B3E9D6BEN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GDD91B3E9D6BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

