

# Global Airplane Carbon Brake Disc Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Airplane Carbon Brake Disc market size was valued at USD 1288.5 million in 2023 and is forecast to a readjusted size of USD 1601.7 million by 2030 with a CAGR of 3.2% during review period.

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.

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.

The Global Info Research report includes an overview of the development of the Airplane Carbon Brake Disc industry chain, the market status of Civil Aviation (CVD, Short Fiber Impregnated Carbonization), Military Aircraft (CVD, Short Fiber Impregnated Carbonization), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Airplane Carbon Brake Disc.

Regionally, the report analyzes the Airplane Carbon Brake Disc markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Airplane Carbon Brake Disc market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Airplane Carbon Brake Disc market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Airplane Carbon Brake Disc industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., CVD, Short Fiber Impregnated Carbonization).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Airplane Carbon Brake Disc market.

**Regional Analysis:** The report involves examining the Airplane Carbon Brake Disc market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Airplane Carbon Brake Disc market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Airplane Carbon Brake Disc:

**Company Analysis:** Report covers individual Airplane Carbon Brake Disc manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Airplane Carbon Brake Disc. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Civil Aviation, Military Aircraft).

**Technology Analysis:** Report covers specific technologies relevant to Airplane Carbon Brake Disc. It assesses the current state, advancements, and potential future developments in Airplane Carbon Brake Disc areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Airplane Carbon Brake Disc market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Airplane Carbon Brake Disc market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

## Market segment by Type

CVD

## Short Fiber Impregnated Carbonization

### Market segment by Application

Civil Aviation

Military Aircraft

### Major players covered

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)

### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Airplane Carbon Brake Disc product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Airplane Carbon Brake Disc, with price, sales, revenue and global market share of Airplane Carbon Brake Disc from 2019 to 2024.

Chapter 3, the Airplane Carbon Brake Disc competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Airplane Carbon Brake Disc breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Airplane Carbon Brake Disc market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Airplane Carbon Brake Disc.

Chapter 14 and 15, to describe Airplane Carbon Brake Disc sales channel, distributors, customers, research findings and conclusion.

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