

Global Airplane Carbon Brake Disc Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Airplane Carbon Brake Disc market size is expected to reach \$ 1764 million by 2032, rising at a market growth of 3.2% CAGR during the forecast period (2026-2032).

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.

This report studies the global Airplane Carbon Brake Disc production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Airplane Carbon Brake Disc and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Airplane Carbon Brake Disc that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Airplane Carbon Brake Disc total production and demand, 2021-2032, (K Units)

Global Airplane Carbon Brake Disc total production value, 2021-2032, (USD Million)

Global Airplane Carbon Brake Disc production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Airplane Carbon Brake Disc consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Airplane Carbon Brake Disc domestic production, consumption, key domestic manufacturers and share

Global Airplane Carbon Brake Disc production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Airplane Carbon Brake Disc production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Airplane Carbon Brake Disc production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Airplane Carbon Brake Disc market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study 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), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Airplane Carbon Brake Disc market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Airplane Carbon Brake Disc Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Airplane Carbon Brake Disc Market, Segmentation by Type:

CVD

Short Fiber Impregnated Carbonization

Global Airplane Carbon Brake Disc Market, Segmentation by Application:

Civil Aviation

Military Aircraft

Companies Profiled:

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)

Key Questions Answered:

1. How big is the global Airplane Carbon Brake Disc market?
2. What is the demand of the global Airplane Carbon Brake Disc market?
3. What is the year over year growth of the global Airplane Carbon Brake Disc market?
4. What is the production and production value of the global Airplane Carbon Brake Disc market?
5. Who are the key producers in the global Airplane Carbon Brake Disc market?
6. What are the growth factors driving the market demand?

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