

Global Carbon-Ceramic Composite Brake Disc Market Growth 2026-2032

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Abstracts

The global Carbon-Ceramic Composite Brake Disc market size is predicted to grow from US\$ 1623 million in 2025 to US\$ 2920 million in 2032; it is expected to grow at a CAGR of 8.9% from 2026 to 2032.

A carbon-ceramic composite brake disc is a high-performance braking component used in high-performance vehicles, particularly in sports cars and racing cars. It is made from a combination of carbon-derived materials and ceramic materials that are compressed and heated to high temperatures to create a lightweight and durable material.

Carbon-ceramic brake discs offer several advantages over traditional iron discs, including better heat resistance, reduced weight, improved performance under high-stress conditions, and longer lifespan. They also provide excellent braking performance, reducing brake fade and providing stronger and more consistent braking power.

United States market for Carbon-Ceramic Composite Brake Disc is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Carbon-Ceramic Composite Brake Disc is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Carbon-Ceramic Composite Brake Disc is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Carbon-Ceramic Composite Brake Disc players cover Brembo, CCYS Hi-Tech International, AP Racing, Surface Transforms plc, DACC Carbon, etc. In terms of

revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Carbon-Ceramic Composite Brake Disc Industry Forecast" looks at past sales and reviews total world Carbon-Ceramic Composite Brake Disc sales in 2025, providing a comprehensive analysis by region and market sector of projected Carbon-Ceramic Composite Brake Disc sales for 2026 through 2032. With Carbon-Ceramic Composite Brake Disc sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Carbon-Ceramic Composite Brake Disc industry.

This Insight Report provides a comprehensive analysis of the global Carbon-Ceramic Composite Brake Disc landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Carbon-Ceramic Composite Brake Disc portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Carbon-Ceramic Composite Brake Disc market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Carbon-Ceramic Composite Brake Disc and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Carbon-Ceramic Composite Brake Disc.

This report presents a comprehensive overview, market shares, and growth opportunities of Carbon-Ceramic Composite Brake Disc market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Short Fiber Carbon-Ceramic Composite Brake Disc

Long-fiber Carbon-Ceramic Composite Brake Disc

Segmentation by Application:

Automotive

Aerospace

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Brembo

CCYS Hi-Tech International

AP Racing

Surface Transforms plc

DACC Carbon

AKEBONO BRAKE INDUSTRY

MAT Foundry Group

KBC Co., Ltd.

Anhui Truchum Advanced Materials & Technology

Beijing Tianyishangjia High-tech Materials Corp.

STOPART

Hunan Shixin New Material

Key Questions Addressed in this Report

What is the 10-year outlook for the global Carbon-Ceramic Composite Brake Disc market?

What factors are driving Carbon-Ceramic Composite Brake Disc market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Carbon-Ceramic Composite Brake Disc market opportunities vary by end market size?

How does Carbon-Ceramic Composite Brake Disc break out by Type, by Application?

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