

# **Global Braided Composites Market by End-Use Industry Type (Aerospace & Defense, Automotive, Sporting Goods, and Others), by Architecture Type (Biaxial, Triaxial, and Others), by Fiber Type (Carbon Composites and Other Composites), by Resin Type (Thermoset Composites and Thermoplastic Composites), and by Region (North America, Europe, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2017-2022**

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## **Abstracts**

This is the **ONGOING** report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the braided composites market over the period 2017 to 2022. The report provides detailed insights into the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities in the market.

### The Global Braided Composites Market: Highlights

The global braided composites market offers healthy growth opportunities in the entire ecosystem with an expected market size of US\$ 382.5 million in 2022. Increasing production rates of the next-generation aircraft, such as A350XWB; increasing production of luxury and hybrid vehicles; increasing demand for lightweight parts with the purpose to enhance fuel efficiency or to reduce carbon emissions; rising concern over reducing VOC emissions; and an excellent performance of braided parts are the key factors propelling the demand for braided composites. Braiding makes composite

parts stronger, damage tolerant, and stiffer. The technology is relatively easy to use and produces parts at a lower cost with superior performance. Furthermore, low VOC emission and minimal scrap rate are augmenting the technology's adoption rate in the various industries.

The global braided composites market is segmented based on end-use industry as Aerospace & Defense, Automotive, Sporting Goods, and Others. Aerospace & Defense is projected to remain the largest segment of the global braided composites market during the forecast period of 2017 to 2022. Fan case containment and fuselage frames are some of the major applications of braided composites in the aerospace & defense industry. Automotive is likely to remain the fastest-growing segment of the global braided composites market during the same period, propelled by increasing production rates of hybrid and luxury cars coupled with rising usage of composites.

Based on the architecture type, triaxial braided composite is expected to remain the largest segment during the forecast period. It is the most preferred choice for over braiding of parts, owing to its superior performance. Fan case containment is one of the major applications of triaxial braided composites.

Based on the fiber type, carbon fiber is projected to remain the most dominant fiber type in the global braided composites market during the forecast period. All the major end-use industries, such as aerospace & defense, automotive, and sporting goods, are predominantly using carbon fiber-braided composites, owing to their excellent weight reduction properties coupled with high-performance benefits.

Based on the regions, North America is expected to remain the largest braided composites market during the forecast period, driven by the Aerospace & Defense industry. The USA is projected to remain the growth engine of the North American braided composites market over the next five years. Europe is likely to be the fastest-growing braided composites market during the same period, primarily driven by increasing production rate of A350XWB and increasing demand for composite rich hybrid and luxury vehicles.

The supply chain of this market comprises raw material suppliers, braiders, braided composite part manufacturers, and OEMs. The key braided composite part manufacturers are GE Aviation, Airbus Group, BMW AG, Exelis Inc., Sigma Precision Components Ltd., and GKN Aerospace. New application development, the formation of mergers & acquisitions, and execution of long-term contracts with customers are the key strategies adopted by the major players to gain a competitive edge in the market.

## Research Methodology

This report offers high-quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 700 authenticated secondary sources, such as annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. We have conducted more than 15 detailed primary interviews with the market players across the value chain in all four regions and with industry experts to obtain both the qualitative and quantitative insights.

## Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis

Market trend and forecast analysis

Market segment trend and forecast

Competitive landscape and dynamics: Market share, Product portfolio, Product launches, etc.

Attractive market segments and associated growth opportunities

Emerging trends

Strategic growth opportunities for the existing and new players

Key success factors

The braided composites market is segmented into the following categories.

Global Braided Composites Market by End-Use Industry Type:

Aerospace & Defense (Regional Analysis: NA, Europe, and RoW)

Automotive (Regional Analysis: NA, Europe, and RoW)

Sporting Goods (Regional Analysis: NA, Europe, and RoW)

Others (Regional Analysis: NA, Europe, and RoW)  
Global Braided Composites Market by Architecture Type:

Biaxial (Regional Analysis: NA, Europe, and RoW)  
Triaxial (Regional Analysis: NA, Europe, and RoW)  
Others (Regional Analysis: NA, Europe, and RoW)  
Global Braided Composites Market by Fiber Type:

Carbon Fiber (Regional Analysis: NA, Europe, and RoW)  
Other Fibers (Regional Analysis: NA, Europe, and RoW)  
Global Braided Composites Market by Resin Type:

Thermoset Resins (Regional Analysis: NA, Europe, and RoW)  
Thermoplastic Resins (Regional Analysis: NA, Europe, and RoW)  
Global Braided Composites Market by Region:

North America  
Europe  
Rest of the world  
Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

#### Company Profiling

Detailed profiling of additional market players (up to 3 players)  
SWOT analysis of key players (up to 3 players)  
Market Segmentation

Current market segmentation of any one of the end-use Industry by architecture type  
Competitive Benchmarking

Benchmarking of key players on the following parameters: Product portfolio, geographical reach, regional presence, and strategic alliances  
Custom Research: Stratview research offers custom research services across sectors. In the case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your inquiry at [sales@stratviewresearch.com](mailto:sales@stratviewresearch.com).

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- 10.8. Sigma Precision Components Ltd.



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