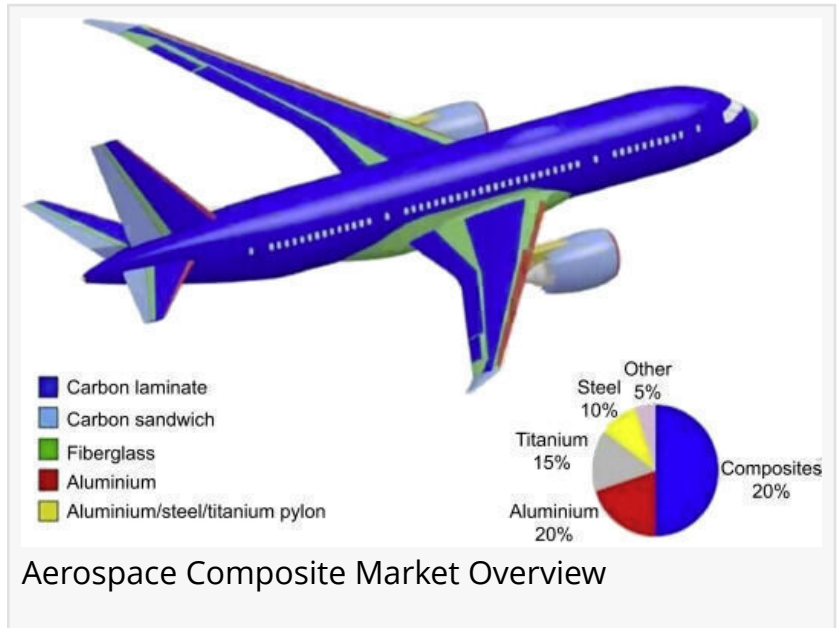


Aerospace Composite Market Future Fortification A Guide to Market Size Strategies for Business Resilience

Aerospace composites offer excellent resistance to corrosion and fatigue, leading to longer service life for components.

WILMINGTON, DE, UNITED STATES, February 17, 2025 /EINPresswire.com/

-- Allied Market Research recently published a report titled, [Aerospace Composite Market](#) by Fiber Type (Carbon Fiber, Glass Fiber, Aramid Fiber, and Others), Manufacturing Process (ATL or AFP, Filament Winding, Resin Transfer Molding, Hand Layup, and Others), Aircraft Type (Commercial Aircraft, Business & General Aviation, Civil Helicopter, and Others): Global Opportunity Analysis and Industry Forecast, 2023-2032. According to the report, the global aerospace composite market was valued at \$29.6 billion in 2022 and is projected to reach \$87.0 billion by 2032, growing at a CAGR of 11.5% from 2023 to 2032.



Request a sample of the report:

<https://www.alliedmarketresearch.com/request-sample/A07720>

For more information, contact:

- Rising Demand for Lightweight Materials: Aerospace composites, particularly carbon fiber, are widely used for their superior tensile strength, enabling them to withstand high loads without adding excessive weight.

- Technological Advancements: The integration of nanotechnology in composite development is enhancing performance, further fueling market expansion.

- Growing Need for Next-Generation Aircraft: Increasing demand for fuel-efficient and

technologically advanced aircraft presents lucrative opportunities for market growth.

However, high initial costs of composite materials in aerospace pose a challenge, limiting their widespread adoption.

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By Fiber Type:

- Carbon Fiber: Held the highest market share in 2022, contributing to over one-third of the global aerospace composite market revenue. Carbon fiber composites are widely used in fuselage construction, reducing weight while maintaining structural integrity.

- Aramid Fiber: Expected to register the highest CAGR of 12.1% from 2023 to 2032, with increasing applications in aircraft interiors for lightweight, durable components such as seats and interior panels.

By Manufacturing Process:

- Automated Tape Laying (ATL) / Automated Fiber Placement (AFP): Accounted for the largest market share in 2022 and is expected to maintain dominance through 2032 due to its application in aircraft skins, wing panels, and other structural elements.

- Other Manufacturing Processes (Injection Molding, Compression Molding, Autoclave Curing, etc.): Projected to grow at the highest CAGR of 12.2%, as these processes are crucial for producing complex aerospace components efficiently.

By Aircraft Type:

- Commercial Aircraft: Led the market in 2022, accounting for around one-third of total revenue. Adoption of aerospace composites in commercial aircraft is aligned with the industry's sustainability goals, reducing fuel consumption and emissions.

- Business & General Aviation (BGA): Anticipated to witness the highest CAGR of 12.0% from 2023 to 2032, driven by the increasing emphasis on fuel efficiency.

By Region:

- North America: Dominated the market in 2022, contributing to two-fifths of the total revenue, largely due to the U.S.'s strong presence in aerospace innovation and technology.

- Asia-Pacific: Expected to register the fastest growth at a CAGR of 11.0%, driven by increased adoption of aerospace composites in commercial, military, and space exploration applications.

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- Bally Ribbon Mills
- DuPont
- Hexcel Corporation
- Mitsubishi Electric Corporation
- SGL Carbon
- Solvay
- Spirit AeroSystems, Inc.
- TEIJIN LIMITED
- Toray Industries Inc
- VX Aerospace Corporation

These key players are actively engaging in strategies such as product innovations, collaborations, expansions, and joint ventures to enhance their market share and competitive edge.

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<https://www.alliedmarketresearch.com/aerospace-composite-market/purchase-options>

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Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading

companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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