

Aerostructures Market Expected to Reach \$114.8 Billion by 2032 | CAGR of 6.6%

The market is driven by factors such as surge in global air passenger traffic, increase in aircraft demand & production & advancements in materials engineering.

WILMINGTON, DE, UNITED STATES, September 4, 2025 /EINPresswire.com/ -- [Aerostructures market size](#) was generated \$62.0 billion in 2022 and is anticipated to generate \$114.8 billion by 2032, witnessing with a CAGR of 6.6% from 2023 to 2032.



The growth of the global aerostructures market is driven by factors such as surge in global air passenger traffic and increase in aircraft demand and production, and advancements in materials engineering. However, regulatory compliance and the disruption in the supply chain hamper the growth of the market. On the contrary, rise in demand for maintenance, repair and overhaul (MRO) services for aging aircraft and surge in the development and adoption of electric aircraft are expected to offer remunerative opportunities for the expansion of the aerostructures market during the forecast period.

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The aerostructure sector places greater emphasis on the use of lightweight components that preserve or enhance system integrity. Advanced materials, such as carbon fiber-reinforced polymers in composites, are known for their impressive strength and weight. This emphasis on lighter air contributes to increased fuel efficiency by reducing overall aircraft weight, reducing fuel consumption and operating costs. Improved load capacity is in business facilitates the production of aircraft with improved performance, including better durability, corrosion resistance and fatigue. Companies such as Collins Aerospace are involved in the design and operation of multifunctional structures. These systems encompass multiple functionalities in one package, such as acoustic attenuation of aerodynamic surfaces with embedded electro-icing or composite flight control surfaces with embedded sensing technology.

Therefore, these advancements result in extended service life for aircraft components, diminishing maintenance needs, and bolstering overall reliability. The materials industry is closely linked to additive manufacturing, especially 3D printing technology. Additive manufacturing enables complex components designed for aerostructure using innovative materials. This technological approach streamlines the manufacturing process, minimizing waste. Such advancement in material introduces new opportunities for designing intricate and sophisticated aerostructures, which is expected to drive the growth of the aerostructures market.

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Recent Aerostructures Developments in the Industry:

Supernal LLC and GKN Aerospace collaborate on high-voltage wiring and lightweight aerostructures (June 2023).

Saab AB partners with Boeing for Boeing 787 Dreamliner cargo doors (September 2023).

ELBIT SYSTEMS LTD. secures Boeing contract for large cargo doors (January 2023).

Spirit AeroSystems partners with Honda Aircraft for composite fuselage (June 2023).

Leonardo S.P.A. collaborates with Vertical Aerospace on carbon composite fuselage (February 2022).

FACC AG expands Airbus partnership for A220 empennage components (September 2021).

Boeing and Tata Boeing Aerospace develop complex vertical fin for 737 airplanes (February 2021).

Based on region, Asia-Pacific held the highest market share in terms of revenue in 2022, accounting for more than one-fourth of the [aerostructures industry](#) revenue, and is expected to dominate the market during the forecast period, as there is rise in aircraft production, and increase in new aircraft orders. However, Europe is expected to witness the fastest CAGR of 8.2% from 2023 to 2032, owing to increased demand for various components, including aerostructures due to rise in the number of orders for new aircraft to expand the fleet and increase the capacity of the airlines.

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Key Report Highlights:

Analysis spans 16+ countries, breaking down values (\$ million) by country (2022-2032).

Methodology blends robust data, expert opinions, ensuring a holistic market perspective.

Thorough review of 3,700+ product catalogs, reports, and industry sources enhance market

insights.

Aerostructures market, led by key players like Airbus, Boeing, exhibits slight fragmentation. Ongoing monitoring of major strategies—contracts, partnerships, expansions—by industry leaders.

Leading Market Players: -

Airbus SE

ELBIT SYSTEMS LTD.

Saab AB

Spirit AeroSystems, Inc.

Leonardo S.p.A.

Triumph Group, Inc.

AAR Corporation

GKN Aerospace Services Limited.

Boeing

FACC AG

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