

Aircraft Wings & Aerostructures Manufacturing Market Forecasts to 2034 - Global Analysis By Component (Wings, Fuselage Sections, Empennage, Nacelles & Pylons and Landing Gear Attachments), Material, Manufacturing Process, Aircraft Type, End User and By Geography

<https://marketpublishers.com/r/ACCCA77D73F3EN.html>

Date: September 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: ACCCA77D73F3EN

Abstracts

According to Statistics MRC, the Global Aircraft Wings & Aerostructures Manufacturing Market is accounted for \$78.4 billion in 2026 and is expected to reach \$132.7 billion by 2034 growing at a CAGR of 6.8% during the forecast period. Aircraft Wings & Aerostructures Manufacturing involves developing, producing, assembling, and integrating essential structural elements such as wings, fuselage sections, tail assemblies, nacelles, and associated components. The sector concentrates on achieving reduced weight, aerodynamic performance, durability, structural integrity, and high manufacturing accuracy. Increasing adoption of composite materials, automated manufacturing, additive techniques, and digital design tools is enhancing production capabilities and aircraft performance. Companies also maintain rigorous quality assurance, certification procedures, inspection systems, and coordinated supply chains to satisfy aviation requirements.

According to the FAA, the U.S. commercial aircraft fleet is forecast to increase from 7,387 aircraft in 2024 to 10,607 aircraft by 2045, representing an average annual growth rate of 1.7%. The FAA attributes this expansion to long-term growth in air-travel and air-cargo demand, supporting future requirements for aircraft structures and components.

Market Dynamics:

Driver:

Growing commercial and defense aircraft production

The expansion of commercial, military, and business aircraft manufacturing is significantly supporting the Aircraft Wings & Aerostructures Manufacturing Market. Increasing air passenger movement, airline fleet enlargement, aircraft replacement needs, and defense fleet modernization are generating continuous demand for major structural components. Wings, fuselage sections, tail structures, nacelles, and related assemblies require sophisticated production capabilities to satisfy changing aircraft designs and delivery requirements. As aerospace manufacturers increase output, suppliers are strengthening fabrication, assembly, inspection, and integration capabilities, while investing in advanced production methods to improve efficiency throughout the aerospace manufacturing ecosystem.

Restraint:

High manufacturing costs and complex production processes

Elevated production expenses and sophisticated manufacturing requirements can restrict growth in the Aircraft Wings & Aerostructures Manufacturing Market. Manufacturing major aircraft structures depends on specialized machinery, high-performance materials, experienced technical personnel, accurate tooling, and rigorous inspection systems. Processes involving composite materials, automated fabrication, curing, machining, and structural testing can demand substantial capital and technical expertise. Such financial and operational pressures can particularly affect smaller manufacturers and suppliers attempting to develop competitive, technologically advanced aerostructure production capabilities within the aerospace industry.

Opportunity:

Expansion of lightweight aircraft programs

Rising development of lightweight aircraft platforms is opening new growth avenues for the Aircraft Wings & Aerostructures Manufacturing Market. Aircraft producers increasingly require structural components that offer lower weight while maintaining strength, durability, and aerodynamic performance. This demand is encouraging manufacturers to advance composite wing technologies, optimized assemblies, and integrated structural designs. The focus on improving fuel economy and reducing aircraft operating expenses further promotes innovative manufacturing approaches. Aerostructure companies can benefit by implementing automated production, advanced material technologies, digital design tools, and accurate inspection systems for next-generation aircraft programs.

Threat:

Intense competition and pricing pressure

Strong rivalry among international aerospace companies and structural component suppliers can create significant challenges for the Aircraft Wings & Aerostructures Manufacturing Market. Manufacturers must continuously compete through cost efficiency, technological advancement, product quality, timely deliveries, and competitive pricing. Well-established suppliers often benefit from greater financial strength, sophisticated manufacturing systems, and established relationships with aircraft producers, creating barriers for emerging companies. Competitive pressures may reduce profit margins and compel manufacturers to make ongoing investments in automation, innovation, skilled personnel, and manufacturing facilities to maintain their position in an increasingly demanding aerospace marketplace.

Covid-19 Impact:

The COVID-19 outbreak had a substantial negative effect on the Aircraft Wings & Aerostructures Manufacturing Market as declining air passenger activity reduced aircraft deliveries and manufacturing requirements. Airlines delayed purchases and fleet expansion plans, prompting aerospace companies and suppliers to adjust production levels and capacity utilization. Manufacturing shutdowns, labor limitations, logistics problems, and shortages of essential components added further pressure. As aviation activity gradually recovered, aircraft production began improving and market conditions stabilized. The pandemic also encouraged manufacturers to strengthen supply networks, adopt digital production, increase automation, and improve operational flexibility for greater resilience.

The wings segment is expected to be the largest during the forecast period

The wings segment is expected to account for the largest market share during the forecast period, covering wing design, structural production, assembly, and integration with related systems. Aircraft wings require high aerodynamic performance, structural integrity, durability, and dependable integration of flight-control and high-lift mechanisms. Production incorporates materials and components such as composites, metals, spars, ribs, skins, and wing boxes. Greater adoption of automated manufacturing, accurate assembly techniques, advanced materials, and modern inspection solutions is strengthening production capabilities. These developments help manufacturers deliver wings that support aircraft efficiency, performance, reliability, and operational requirements across commercial and defense aviation.

The UAVs (unmanned aerial vehicles) segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the UAVs (unmanned aerial vehicles) segment is predicted to witness the highest growth rate as unmanned aircraft find wider applications in defense, monitoring, logistics, farming, infrastructure assessment, and other sectors. Growing UAV capabilities are increasing requirements for lightweight, strong, and

aerodynamically efficient wings and structural assemblies. Aerostructure manufacturers are adopting advanced composites, modular construction, additive techniques, and automated manufacturing to enhance UAV performance and production efficiency. Increasing development of autonomous, specialized, larger, and extended-endurance UAV platforms is further expanding opportunities for structural suppliers.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share because of its mature aerospace industry, prominent aircraft manufacturers, defense activities, and broad supplier network. The region possesses strong expertise in producing wings, fuselage assemblies, composite structures, and other critical aircraft components. Advanced manufacturing infrastructure, skilled engineering capabilities, established supply networks, and ongoing technological investments continue to strengthen regional production. Furthermore, sustained commercial and military aircraft manufacturing activity generates consistent requirements for advanced aerostructure design, fabrication, assembly, and integration capabilities throughout the North American aerospace industry.

Region with highest CAGR:

Over the forecast period, the Asia-Pacific region is anticipated to exhibit the highest CAGR, driven by rising commercial aviation activity, defense modernization, and expanding local aerospace production. China, India, Japan, and South Korea are developing stronger aerostructure capabilities through investments in aircraft manufacturing, composite materials, automation, and regional supply networks. Increasing passenger traffic and expanding aircraft fleets are encouraging greater production and sourcing across the region. At the same time, regional manufacturers are becoming more involved in international aerospace programs, enhancing production expertise and creating favorable conditions for continued aerostructure manufacturing growth.

Key players in the market

Some of the key players in Aircraft Wings & Aerostructures Manufacturing Market include Spirit AeroSystems Holdings Inc, Airbus SE, The Boeing Company, GKN Aerospace, Collins Aerospace, Leonardo S.p.A., Safran S.A., Mitsubishi Heavy Industries, Triumph Group, Inc., Bombardier Inc., Kawasaki Heavy Industries, Saab AB, Aernnova Aerospace SA, Sonaca Group, Mubea, Subaru Corporation, Korea Aerospace Industries and Qarbon Aerospace.

Key Developments:

In April 2026, Collins Aerospace has been awarded multiple contracts from Fort Worth-based Bell Textron to deliver five critical systems for the U.S. Army's MV-75 Future Long Range Assault Aircraft (FLRAA). Bell announced an April construction start for its new \$632 million factory in North Fort Worth, which will build parts for the FLRAA—a tilt-rotor aircraft that replaces the famed Black Hawk helicopter, flying twice as fast and twice as far while providing superior air assault and MEDEVAC capability.

In November 2025, Mitsubishi Heavy Industries, Ltd. and ICM, Inc. have entered into a strategic alliance to accelerate innovation in ethanol dehydration. The collaboration focuses on integrating MHI's Mitsubishi Membrane Dehydration System (MMDS™) with ICM's bioethanol process design. Together, the companies aim to increase efficiency in ethanol production by reducing energy consumption, enhancing process reliability, and supporting the industry's efforts to lower carbon intensity.

Components Covered:

Wings

Fuselage Sections

Empennage

Nacelles & Pylons

Landing Gear Attachments

Materials Covered:

Aluminum Alloys

Titanium Alloys

Steel & Other Metals

Advanced Composites

Hybrid Materials

Manufacturing Processes Covered:

Machining & Metal Forming

Composite Lay-Up & Curing

Additive Manufacturing

Welding & Joining Techniques

Assembly & Integration

Aircraft Types Covered:

Commercial Aircraft

Military Aircraft

Business Jets

Regional Aircraft

Helicopters

UAVs (Unmanned Aerial Vehicles)

End Users Covered:

OEM (Original Equipment Manufacturer)

Aftermarket

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL AIRCRAFT WINGS & AEROSTRUCTURES MANUFACTURING MARKET, BY COMPONENT

- 5.1 Wings
- 5.2 Fuselage Sections
- 5.3 Empennage
- 5.4 Nacelles & Pylons
- 5.5 Landing Gear Attachments

6 GLOBAL AIRCRAFT WINGS & AEROSTRUCTURES MANUFACTURING MARKET, BY MATERIAL

- 6.1 Aluminum Alloys
- 6.2 Titanium Alloys
- 6.3 Steel & Other Metals
- 6.4 Advanced Composites
- 6.5 Hybrid Materials

7 GLOBAL AIRCRAFT WINGS & AEROSTRUCTURES MANUFACTURING MARKET, BY MANUFACTURING PROCESS

- 7.1 Machining & Metal Forming
- 7.2 Composite Lay-Up & Curing
- 7.3 Additive Manufacturing
- 7.4 Welding & Joining Techniques
- 7.5 Assembly & Integration

8 GLOBAL AIRCRAFT WINGS & AEROSTRUCTURES MANUFACTURING MARKET, BY AIRCRAFT TYPE

- 8.1 Commercial Aircraft
- 8.2 Military Aircraft
- 8.3 Business Jets
- 8.4 Regional Aircraft
- 8.5 Helicopters

8.6 UAVs (Unmanned Aerial Vehicles)

9 GLOBAL AIRCRAFT WINGS & AEROSTRUCTURES MANUFACTURING MARKET, BY END USER

9.1 OEM (Original Equipment Manufacturer)

9.2 Aftermarket

10 GLOBAL AIRCRAFT WINGS & AEROSTRUCTURES MANUFACTURING MARKET, BY GEOGRAPHY

10.1 North America

10.1.1 United States

10.1.2 Canada

10.1.3 Mexico

10.2 Europe

10.2.1 United Kingdom

10.2.2 Germany

10.2.3 France

10.2.4 Italy

10.2.5 Spain

10.2.6 Netherlands

10.2.7 Belgium

10.2.8 Sweden

10.2.9 Switzerland

10.2.10 Poland

10.2.11 Rest of Europe

10.3 Asia Pacific

10.3.1 China

10.3.2 Japan

10.3.3 India

10.3.4 South Korea

10.3.5 Australia

10.3.6 Indonesia

10.3.7 Thailand

10.3.8 Malaysia

10.3.9 Singapore

10.3.10 Vietnam

10.3.11 Rest of Asia Pacific

10.4 South America

10.4.1 Brazil

10.4.2 Argentina

10.4.3 Colombia

10.4.4 Chile

10.4.5 Peru

10.4.6 Rest of South America

10.5 Rest of the World (RoW)

10.5.1 Middle East

10.5.1.1 Saudi Arabia

10.5.1.2 United Arab Emirates

10.5.1.3 Qatar

10.5.1.4 Israel

10.5.1.5 Rest of Middle East

10.5.2 Africa

10.5.2.1 South Africa

10.5.2.2 Egypt

10.5.2.3 Morocco

10.5.2.4 Rest of Africa

11 STRATEGIC MARKET INTELLIGENCE

11.1 Industry Value Network and Supply Chain Assessment

11.2 White-Space and Opportunity Mapping

11.3 Product Evolution and Market Life Cycle Analysis

11.4 Channel, Distributor, and Go-to-Market Assessment

12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

12.1 Mergers and Acquisitions

12.2 Partnerships, Alliances, and Joint Ventures

12.3 New Product Launches and Certifications

12.4 Capacity Expansion and Investments

12.5 Other Strategic Initiatives

13 COMPANY PROFILES

13.1 Spirit AeroSystems Holdings Inc

13.2 Airbus SE

- 13.3 The Boeing Company
- 13.4 GKN Aerospace
- 13.5 Collins Aerospace
- 13.6 Leonardo S.p.A.
- 13.7 Safran S.A.
- 13.8 Mitsubishi Heavy Industries
- 13.9 Triumph Group, Inc.
- 13.10 Bombardier Inc.
- 13.11 Kawasaki Heavy Industries
- 13.12 Saab AB
- 13.13 Aernnova Aerospace SA
- 13.14 Sonaca Group
- 13.15 Mubea
- 13.16 Subaru Corporation
- 13.17 Korea Aerospace Industries
- 13.18 Qarbon Aerospace

List Of Tables

LIST OF TABLES

Table 1 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Component (2023-2034) (\$MN)

Table 3 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Wings (2023-2034) (\$MN)

Table 4 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Fuselage Sections (2023-2034) (\$MN)

Table 5 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Empennage (2023-2034) (\$MN)

Table 6 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Nacelles & Pylons (2023-2034) (\$MN)

Table 7 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Landing Gear Attachments (2023-2034) (\$MN)

Table 8 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Material (2023-2034) (\$MN)

Table 9 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Aluminum Alloys (2023-2034) (\$MN)

Table 10 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Titanium Alloys (2023-2034) (\$MN)

Table 11 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Steel & Other Metals (2023-2034) (\$MN)

Table 12 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Advanced Composites (2023-2034) (\$MN)

Table 13 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Hybrid Materials (2023-2034) (\$MN)

Table 14 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Manufacturing Process (2023-2034) (\$MN)

Table 15 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Machining & Metal Forming (2023-2034) (\$MN)

Table 16 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Composite Lay-Up & Curing (2023-2034) (\$MN)

Table 17 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Additive Manufacturing (2023-2034) (\$MN)

Table 18 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By

Welding & Joining Techniques (2023-2034) (\$MN)

Table 19 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Assembly & Integration (2023-2034) (\$MN)

Table 20 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Aircraft Type (2023-2034) (\$MN)

Table 21 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Commercial Aircraft (2023-2034) (\$MN)

Table 22 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Military Aircraft (2023-2034) (\$MN)

Table 23 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Business Jets (2023-2034) (\$MN)

Table 24 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Regional Aircraft (2023-2034) (\$MN)

Table 25 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Helicopters (2023-2034) (\$MN)

Table 26 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By UAVs (Unmanned Aerial Vehicles) (2023-2034) (\$MN)

Table 27 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By End User (2023-2034) (\$MN)

Table 28 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By OEM (Original Equipment Manufacturer) (2023-2034) (\$MN)

Table 29 Global Aircraft Wings & Aerostructures Manufacturing Market Outlook, By Aftermarket (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

I would like to order

Product name: Aircraft Wings & Aerostructures Manufacturing Market Forecasts to 2034 - Global Analysis By Component (Wings, Fuselage Sections, Empennage, Nacelles & Pylons and Landing Gear Attachments), Material, Manufacturing Process, Aircraft Type, End User and By Geography

Product link: <https://marketpublishers.com/r/ACCCA77D73F3EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ACCCA77D73F3EN.html>