

Global Aircraft Window Frame Market Assessment, By Material [Aluminum, Titanium, Carbon Fiber Reinforced Polymers (CFRP), Others], By Aircraft Type [Commercial Aircraft, Military Aircraft, Helicopters, Others], By Frame Type [Passenger Window Frame, Cockpit Window Frame, Emergency Exit Window Frame], By Region, Opportunities and Forecast, 2018-2032F

Market Report | 2025-07-31 | 223 pages | Market Xcel - Markets and Data

AVAILABLE LICENSES:

- Single User License \$4800.00
- Multi-User/Corporate Licence \$6000.00
- Custom Research License \$8500.00

Report description:

Global aircraft window frame market is projected to witness a CAGR of 5.12% during the forecast period 2025-2032, growing from USD 0.20 billion in 2024 to USD 0.30 billion in 2032. Global aircraft window frame market maintains continuous growth due to increasing air travel requirements and expanding aircraft fleets, along with the demand for weight-saving, fuel-efficient planes. Advanced materials such as composite materials and titanium alloys have become popular among manufacturers for their ability to enhance product durability while lowering product weight.

The implementation of 3D printing technology has improved production efficiency and reduced waste generation in manufacturing processes. The market includes three major sectors, which are commercial aviation, military aviation, and business aviation, and both OEM and aftermarket segments generate demand for products. The Asia Pacific region leads the market due to fast-paced urban development, along with rising air passenger numbers and substantial aviation infrastructure development projects.

Regional leadership stems from the development of emerging economies and aerospace manufacturing growth in the area.

For instance, in May 2024, Airbus SE revealed fresh Airspace cabin components for the A330neo that feature an updated welcome panel and customizable Hero Light and electro-dimmable windows. These new features will enhance passenger comfort while driving demand for modern aircraft window frame solutions that focus on lightweight construction and personalized options.

Growth in Commercial Aviation Pumps the Aircraft Window Frame Market

The aircraft window frame market is witnessing substantial development due to commercial aviation throughout the world. The growing airline fleets and modernized aircraft drive increasing demand for window frames that combine lightweight materials with

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

durable aerodynamic designs. Manufacturers dedicate their efforts to developing cutting-edge materials together with innovative window frame designs, which help boost fuel efficiency and improve passenger comfort. The market experiences growth because companies focus on interior design elements and safety regulations for aircraft cabins. Technological progress and cooperative business strategies create numerous market possibilities. The aircraft window frame sector shows strong potential for continuous expansion due to rising air traffic alongside changing passenger needs throughout worldwide markets.

For instance, in June 2025, VietJet Air finalized an agreement with Airbus SE, which includes purchasing up to 150 A321neo planes while making 100 binding orders. The significant fleet growth will generate increased market demand for aircraft components such as window frames, thus benefiting suppliers.

Fleet Modernization Fuels the Aircraft Window Frame Market Growth

The expansion of the aircraft window frame market is growing heavily due to fleet modernization because airlines now acquire new planes to boost fuel economy and passenger comfort. Modern aircraft need window frames made from cutting-edge materials that combine low weight with endurance and streamlined design features. New composite technology developments and aesthetic design transformations currently transform cabin interiors through window frames, which maintain both structural support and attractive room design. The growth of air transportation worldwide and increased aircraft manufacturing led manufacturers to develop innovative products through strategic partnerships to fulfill changing market requirements. The current pattern will endure market growth.

For instance, in August 2023, a fresh brand identity and new aircraft livery debuted by Air India represents both modernization and global ambitions. The USD 400 million fleet upgrade includes this transformation, which increases demand for modern window frames because airlines want better passenger comfort and visual attractiveness in their cabin interiors.

Passenger Window Frame Dominates the Aircraft Window Frame Market

The aircraft window frame market demonstrates substantial growth because passenger window frames dominate the market segments. These frames function as essential components that maintain structural stability and safety measures and enhance the comfort of passengers. The design elements of these frames help improve aircraft performance and visual appearance by following modern aviation design patterns. The market growth results from rising air travel numbers along with developments in lightweight composite materials and alloy materials. The market demand is influenced by new window frame designs that incorporate smart technology features together with improved glazing systems. The market development of passenger window frames remains strong because manufacturers focus on both efficiency and passenger experience.

For instance, in April 2025, the first operator-designed Cabin Management System (CMS) for VIPs, business, and commercial aviation became available from Rosen Aviation, LLC through their introduction of Celestia. The company's innovative offerings, such as advanced displays, digital window, and IFE technology, boost the aircraft window frame market by creating higher demand for integrated advanced cabin solutions.

Asia-Pacific is Expected to Register Significant Growth in the Aircraft Window Frame Market

The aircraft window frame market receives its strongest momentum from Asia-Pacific due to its thriving aviation sector, together with substantial manufacturing abilities. The sector advances through the combined efforts of China and India, and Japan because they invest heavily in aerospace infrastructure while air travel continues to grow. The region maintains a powerful network of OEMs and suppliers, which enables both efficient production cycles and technological breakthroughs. The market receives additional support from regional carriers, which expand and modernize their fleets continuously. The Asia-Pacific region serves as the main center for worldwide aircraft window frame production due to its supportive policies and growing commercial aviation industry.

For instance, in May 2025, China Airlines Limited acquired 10 Boeing 777-9 passenger aircraft together with 4 777-8 Freighters, which represent Taiwan's initial 777X purchase. The airline's new acquisition increases requirements for state-of-the-art window frame solutions, which provide better cabin comfort and optimize operational efficiency across upcoming widebody aircraft models.

Impact of U.S. Tariffs on the Aircraft Window Frame Market

-□ The U.S. aerospace industry experiences increased production expenses due to import tariffs on aluminum and other metal, which are essential materials for window frames, thus reducing profit margins and probably raising aircraft prices.

-□ Several businesses have shifted their purchasing operations to domestic suppliers to avoid paying tariffs. The local industry

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

benefits from this, but companies face restrictions when trying to obtain materials and technologies that they once obtained from foreign sources.

-□The changing tariff environment produces uncertainty throughout the aerospace industry, which results in businesses becoming less willing to invest in window frame development and production growth.

-□The trade restrictions imposed on few countries have impacted traditional supply networks, which leads manufacturers to either select new suppliers or deal with extended delivery times and increased transportation expenses.

Key Players Landscape and Outlook

The aircraft window frame market continues to grow due to growing air travel numbers, together with increased aircraft manufacturing and advances in lightweight construction materials. Leading businesses drive forward developments in composite and metal frame technology, which results in a better fuel economy and stronger structural performance. The market is moving forward because firms implement three strategic approaches, which include building new production facilities while collaborating with partners and channeling funds into research and development activities. These companies adjust their products to meet both regulatory requirements and changing customer needs regarding safety and design elements. These companies drive market growth through their role in developing future aircraft designs and their use of modern materials, which makes them the essential market drivers.

For instance, in May 2025, the USD 200 billion aircraft order from Qatar Airways Group, for 160 Boeing widebody planes, elevates global aircraft window frame market demand due to the airline's plans to modernize its fleet with advanced cabin components while expanding capacity and retiring older jets.

Table of Contents:

- 1.□Project Scope and Definitions
- 2.□Research Methodology
- 3.□Impact of U.S. Tariffs
- 4.□Executive Summary
- 5.□Voice of Customers
 - 5.1.□Respondent Demographics
 - 5.2.□Factors Considered in Purchase Decisions
 - 5.2.1.□Lightweight Design
 - 5.2.2.□Regulatory and Certification Requirements
 - 5.3.□Unmet Needs
- 6.□Global Aircraft Window Frame Market Outlook, 2018-2032F
 - 6.1.□Market Size Analysis & Forecast
 - 6.1.1.□By Value
 - 6.2.□Market Share Analysis & Forecast
 - 6.2.1.□By Material
 - 6.2.1.1.□Aluminum
 - 6.2.1.2.□Titanium
 - 6.2.1.3.□Carbon Fiber Reinforced Polymers (CFRP)
 - 6.2.1.4.□Others
 - 6.2.2.□By Aircraft Type
 - 6.2.2.1.□Commercial Aircraft
 - 6.2.2.2.□Military Aircraft
 - 6.2.2.3.□Helicopters
 - 6.2.2.4.□Others
 - 6.2.3.□By Frame Type
 - 6.2.3.1.□Passenger Window Frame
 - 6.2.3.2.□Cockpit Window Frame

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.2.3.3. □Emergency Exit Window Frame
- 6.2.4. □By Region
 - 6.2.4.1. □North America
 - 6.2.4.2. □Europe
 - 6.2.4.3. □Asia-Pacific
 - 6.2.4.4. □South America
 - 6.2.4.5. □Middle East and Africa
- 6.2.5. □By Company Market Share Analysis (Top 5 Companies and Others - By Value, 2024)
- 6.3. □Market Map Analysis, 2024
 - 6.3.1. □By Material
 - 6.3.2. □By Aircraft Type
 - 6.3.3. □By Frame Type
 - 6.3.4. □By Region
- 7. □North America Aircraft Window Frame Market Outlook, 2018-2032F
 - 7.1. □Market Size Analysis & Forecast
 - 7.1.1. □By Value
 - 7.2. □Market Share Analysis & Forecast
 - 7.2.1. □By Material
 - 7.2.1.1. □Aluminum
 - 7.2.1.2. □Titanium
 - 7.2.1.3. □Carbon Fiber Reinforced Polymers (CFRP)
 - 7.2.1.4. □Others
 - 7.2.2. □By Aircraft Type
 - 7.2.2.1. □Commercial Aircraft
 - 7.2.2.2. □Military Aircraft
 - 7.2.2.3. □Helicopters
 - 7.2.2.4. □Others
 - 7.2.3. □By Frame Type
 - 7.2.3.1. □Passenger Window Frame
 - 7.2.3.2. □Cockpit Window Frame
 - 7.2.3.3. □Emergency Exit Window Frame
 - 7.2.4. □By Country Share
 - 7.2.4.1. □United States
 - 7.2.4.2. □Canada
 - 7.2.4.3. □Mexico
 - 7.3. □Country Market Assessment
 - 7.3.1. □United States Aircraft Window Frame Market Outlook, 2018-2032F*
 - 7.3.1.1. □Market Size Analysis & Forecast
 - 7.3.1.1.1. □By Value
 - 7.3.1.2. □Market Share Analysis & Forecast
 - 7.3.1.2.1. □By Material
 - 7.3.1.2.1.1. □Aluminum
 - 7.3.1.2.1.2. □Titanium
 - 7.3.1.2.1.3. □Carbon Fiber Reinforced Polymers (CFRP)
 - 7.3.1.2.1.4. □Others
 - 7.3.1.2.2. □By Aircraft Type
 - 7.3.1.2.2.1. □Commercial Aircraft

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.3.1.2.2.2. Military Aircraft
- 7.3.1.2.2.3. Helicopters
- 7.3.1.2.2.4. Others
- 7.3.1.2.3. By Frame Type
 - 7.3.1.2.3.1. Passenger Window Frame
 - 7.3.1.2.3.2. Cockpit Window Frame
 - 7.3.1.2.3.3. Emergency Exit Window Frame
- 7.3.2. Canada
- 7.3.3. Mexico
- *All segments will be provided for all regions and countries covered
- 8. Europe Aircraft Window Frame Market Outlook, 2018-2032F
 - 8.1. Germany
 - 8.2. France
 - 8.3. Italy
 - 8.4. United Kingdom
 - 8.5. Russia
 - 8.6. Netherlands
 - 8.7. Spain
 - 8.8. Turkey
 - 8.9. Poland
- 9. Asia-Pacific Aircraft Window Frame Market Outlook, 2018-2032F
 - 9.1. India
 - 9.2. China
 - 9.3. Japan
 - 9.4. Australia
 - 9.5. Vietnam
 - 9.6. South Korea
 - 9.7. Indonesia
 - 9.8. Philippines
- 10. South America Aircraft Window Frame Market Outlook, 2018-2032F
 - 10.1. Brazil
 - 10.2. Argentina
- 11. Middle East and Africa Aircraft Window Frame Market Outlook, 2018-2032F
 - 11.1. Saudi Arabia
 - 11.2. UAE
 - 11.3. South Africa
- 12. Value Chain Analysis
- 13. Porter's Five Forces Analysis
- 14. PESTLE Analysis
- 15. Pricing Analysis
- 16. Market Dynamics
 - 16.1. Market Drivers
 - 16.2. Market Challenges
- 17. Market Trends and Developments
- 18. Case Studies
- 19. Competitive Landscape
 - 19.1. Competition Matrix of Top 5 Market Leaders

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 19.2. SWOT Analysis for Top 5 Players
- 19.3. Key Players Landscape for Top 9 Market Players
 - 19.3.1. GKN Aerospace Services Limited
 - 19.3.1.1. Company Details
 - 19.3.1.2. Key Management Personnel
 - 19.3.1.3. Key Products Offered
 - 19.3.1.4. Key Financials (As Reported)
 - 19.3.1.5. Key Market Focus and Geographical Presence
 - 19.3.1.6. Recent Developments/Collaborations/Partnerships/Mergers and Acquisitions
 - 19.3.2. The Nordam Group LLC
 - 19.3.3. FACC AG
 - 19.3.4. Spirit AeroSystems Holdings, Inc.
 - 19.3.5. Latecoere S.A.
 - 19.3.6. Triumph Group, Inc.
 - 19.3.7. PPG Industries Inc.
 - 19.3.8. Otto Fuchs KG
 - 19.3.9. LMI Aerospace, Inc.

*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work.

20. Strategic Recommendations

21. About Us and Disclaimer

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Global Aircraft Window Frame Market Assessment, By Material [Aluminum, Titanium, Carbon Fiber Reinforced Polymers (CFRP), Others], By Aircraft Type [Commercial Aircraft, Military Aircraft, Helicopters, Others], By Frame Type [Passenger Window Frame, Cockpit Window Frame, Emergency Exit Window Frame], By Region, Opportunities and Forecast, 2018-2032F

Market Report | 2025-07-31 | 223 pages | Market Xcel - Markets and Data

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4800.00
	Muti-User/Corporate Licence	\$6000.00
	Custom Research License	\$8500.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Address*

City*

Zip Code*

Country*

Date

2026-06-09

Signature

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com