

# **Aircraft Fairings Market by Aircraft Type (Narrow-Body Aircraft, Wide-Body Aircraft, Very Large-Body Aircraft, Regional Aircraft, and General Aviation), by Application Type (Wing-to-Body Fairing, Flap Support Fairings, Engine Cowls, Vertical Fin Fairings, and Others), by Material Type (Composite Fairings and Metal Fairings), by Manufacturing Process Type (Prepreg Layup, Stamping, and Others), and by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2019-2024**

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## **Abstracts**

This report, from Stratview Research, studies the global fairings market in the aerospace industry over the trend period from 2013 to 2018 and the forecast period from 2019 to 2024. The report provides detailed insights into the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

### The Global Aircraft Fairings Market: Highlights

As per Stratview Research, the global aircraft fairings market offers attractive growth opportunities in the entire ecosystem of the market and is expected to reach an estimated value of US\$ 1,523.1 million in 2024. Increasing production rates of the key commercial aircraft programs, introduction of variants of the best-selling aircraft programs, market entry of players, increasing demand for lightweight fairings, and rising

global aircraft fleet size are the major drivers of the market.

There are many areas in an aircraft where fairings are used, such as wing-to-body fairing, flap track fairings, engine cowls, fillet fairing, vertical fin fairings, wheel well fairing, and strut-to-wing fairing. The primary function of a fairing is to reduce the form and interference drag and smoothen the aircraft surface.

The market is segmented based on aircraft type as narrow-body aircraft, wide-body aircraft, very large aircraft, regional aircraft, and general aviation. Wide- and narrow-body aircraft are likely to remain the growth engines of the market, propelled by increasing aircraft deliveries to support rising passenger and cargo traffic, upcoming variant of existing programs, and rising commercial aircraft fleet size. Boeing anticipated that approximately 42,730 commercial and regional aircraft will be delivered during 2018-2037 in which narrow- and wide-body aircraft would remain dominant.

Based on the application type, the market is segmented as wing-to-body fairing, flap support fairings, engine cowls, vertical fin fairings, and others. Wing-to-body fairing dominates the market and is projected to remain dominant over the next five years as well. It not only joins wings to the fuselage, but also provides a housing for landing gear, fuel, and various inlets and exhausts.

The engine cowls segment is likely to witness the highest growth over the next five years, propelled by the development of high-thrust engines with a high focus on improving fuel efficiency. Engine cowls are one of the major components of the aircraft engine and nacelle system. They reduce parasitic drag by reducing the surface area and provide a smooth surface, thus, leading to laminar flow.

Based on the material type, the market is segmented as composites and metals. Composite is expected to remain the most dominant material type in the market during the forecast period. The material type is also projected to witness higher growth in the same period, driven by advantages of high strength-to-weight ratio, excellent corrosion resistance, high fatigue resistance, and lightweight.

Based on regions, North America is expected to remain the largest market for the aircraft fairings during the forecast period as the region is the manufacturing capital of the aerospace industry with the presence of several large- to small-sized OEMs, tier players, fairing and nacelle component manufacturers, distributors, and raw material suppliers. Asia-Pacific is expected to grow at the highest rate over the next five years, owing to upcoming commercial and regional aircraft and the world's largest commercial

aircraft fleet size.

The supply chain of this market comprises raw materials suppliers, fairing manufacturers, distributors, aircraft OEMs, airline companies, aircraft leasing companies, and MRO companies. The key aerospace OEMs are Boeing, Airbus, Bombardier, Embraer, ATR, and Mitsubishi Heavy Industries and key airline companies are Lufthansa, Delta Air, Air China, and Singapore Airlines.

The key aircraft fairing manufacturers are FACC AG, UTC Aerospace Systems, Composite Technology Research Malaysia Sdn Bhd (CTRM), Alenia Aermacchi S.p.A. (part of Leonardo S.p.A.), Spirit AeroSystems GmbH, Korean Air Aerospace Division, Triumph Group, Inc., Boeing Canada Winnipeg, and ShinMaywa Industries Ltd. Advancements in technology and the formation of long-term contracts are some of 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 1,000 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles, have been leveraged to gather the data. More than 10 detailed primary interviews with the market players across the value chain in all four regions and industry experts have been executed to obtain both 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 market is segmented into the following categories:

Aircraft Fairings Market by Aircraft Type:

Narrow-Body Aircraft (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Wide-Body Aircraft (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Very Large Aircraft (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Regional Aircraft (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

General Aviation (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Aircraft Fairings Market by Application Type:

Wing-to-Body Fairing (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Flap Support Fairings (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Engine Cowls (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Vertical Fin Fairings (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Other Fairings (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Aircraft Fairings Market by Material Type:

Composite Fairings (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Metal Fairings (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Aircraft Fairings Market by Manufacturing Process:

Prepreg Layup Process (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Stamping Process (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Other Processes (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Aircraft Fairings Market by Region:

North America (Country Analysis: The USA, and Rest of North America)

Europe (Country Analysis: Germany, France, The UK, Spain, Russia, and Rest of Europe)

Asia-Pacific (Country Analysis: China, Japan, India and Rest of Asia-Pacific)

Rest of the World (Country Analysis: Latin America, The Middle East, and Others)

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)

Regional Segmentation

Current market segmentation of any one of the regions by aircraft type

Competitive Benchmarking

Benchmarking of key players on the following parameters: Product portfolio, geographical reach, regional presence, and strategic alliances

## Contents

Disclaimer  
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Abbreviation  
Currency Exchange  
About Us  
Report Scope  
Report Objectives  
Research Methodology  
Secondary Research  
Key Information Gathered from Secondary Research  
Primary Research  
Key Information Gathered from Primary Research  
Breakdown of Primary Interviews by Region, Designation, and Value Chain Node  
Data Analysis and Triangulation

### **1. EXECUTIVE SUMMARY**

### **2. AIRCRAFT FAIRINGS MARKET – OVERVIEW AND MARKET FORCES**

2.1. Introduction  
2.2. Market Classification  
    2.2.1. By Aircraft Type  
    2.2.2. By Application Type  
    2.2.3. By Material Type  
    2.2.4. By Manufacturing Process  
    2.2.5. By Region  
2.3. Market Drivers  
2.4. Market Constraints  
2.5. Supply Chain Analysis  
2.6. PEST Analysis: Impact Assessment of Changing Business Environment  
2.7. Industry Life Cycle Analysis  
2.8. Porter's Five Forces Analysis  
    2.8.1. Bargaining Power of Suppliers  
    2.8.2. Bargaining Power of Customers  
    2.8.3. Threat of New Entrants  
    2.8.4. Threat of Substitutes  
    2.8.5. Competitive Rivalry

## 2.9. SWOT Analysis

### **3. AIRCRAFT FAIRINGS MARKET ANALYSIS – BY AIRCRAFT TYPE**

#### 3.1. Strategic Insights

#### 3.2. Narrow-Body Aircraft Fairings Market Trend and Forecast (US\$ Million)

##### 3.2.1. Regional Trend and Forecast (US\$ Million)

#### 3.3. Wide-Body Aircraft Fairings Market Trend and Forecast (US\$ Million)

##### 3.3.1. Regional Trend and Forecast (US\$ Million)

#### 3.4. Very Large Aircraft Fairings Market Trend and Forecast (US\$ Million)

##### 3.4.1. Regional Trend and Forecast (US\$ Million)

#### 3.5. Regional Aircraft Fairings Market Trend and Forecast (US\$ Million)

##### 3.5.1. Regional Trend and Forecast (US\$ Million)

#### 3.6. General Aviation Fairings Market Trend and Forecast (US\$ Million)

##### 3.6.1. Regional Trend and Forecast (US\$ Million)

### **4. AIRCRAFT FAIRINGS MARKET ANALYSIS – BY APPLICATION TYPE**

#### 4.1. Strategic Insights

#### 4.2. Wing-to-Body Fairing Market Trend and Forecast (US\$ Million)

##### 4.2.1. Regional Trend and Forecast (US\$ Million)

#### 4.3. Flap Support Fairings Market Trend and Forecast (US\$ Million)

##### 4.3.1. Regional Trend and Forecast (US\$ Million)

#### 4.4. Engine Cowls Market Trend and Forecast (US\$ Million)

##### 4.4.1. Regional Trend and Forecast (US\$ Million)

#### 4.5. Vertical Fin Fairings Market Trend and Forecast (US\$ Million)

##### 4.5.1. Regional Trend and Forecast (US\$ Million)

#### 4.6. Other Fairings Market Trend and Forecast (US\$ Million)

##### 4.6.1. Regional Trend and Forecast (US\$ Million)

### **5. AIRCRAFT FAIRINGS MARKET ANALYSIS – BY MATERIAL TYPE**

#### 5.1. Strategic Insights

#### 5.2. Composites Fairings Market Trend and Forecast (US\$ Million)

##### 5.2.1. Regional Trend and Forecast (US\$ Million)

#### 5.3. Metal Fairings Market Trend and Forecast (US\$ Million)

##### 5.3.1. Regional Trend and Forecast (US\$ Million)

### **6. AIRCRAFT FAIRINGS MARKET ANALYSIS – BY MANUFACTURING PROCESS**



## TYPE

- 6.1. Strategic Insights
- 6.2. Prepreg Layup-based Fairings Market Trend and Forecast (US\$ Million)
  - 6.2.1. Regional Trend and Forecast (US\$ Million)
- 6.3. Stamping-based Fairings Market Trend and Forecast (US\$ Million)
  - 6.3.1. Regional Trend and Forecast (US\$ Million)
- 6.4. Other Processes-based Fairings Market Trend and Forecast (US\$ Million)
  - 6.4.1. Regional Trend and Forecast (US\$ Million)

## 7. AIRCRAFT FAIRINGS MARKET ANALYSIS – BY REGION

- 7.1. Strategic Insights
- 7.2. North American Aircraft Fairings Market Analysis
  - 7.2.1. North American Aircraft Fairings Market Trend and Forecast, by Country (US\$ Million)
    - 7.2.1.1. The USA: Aircraft Fairings Market Trend and Forecast (US\$ Million)
    - 7.2.1.2. Canada: Aircraft Fairings Market Trend and Forecast (US\$ Million)
    - 7.2.1.3. Mexico: Aircraft Fairings Market Trend and Forecast (US\$ Million)
  - 7.2.2. North American Aircraft Fairings Market Trend and Forecast, by Aircraft Type (US\$ Million)
  - 7.2.3. North American Aircraft Fairings Market Trend and Forecast, by Application Type (US\$ Million)
  - 7.2.4. North American Aircraft Fairings Market Trend and Forecast, by Material Type (US\$ Million)
  - 7.2.5. North American Aircraft Fairings Market Trend and Forecast, by Process Type (US\$ Million)
- 7.3. European Aircraft Fairings Market Analysis
  - 7.3.1. European Aircraft Fairings Market Trend and Forecast, by Country (US\$ Million)
    - 7.3.1.1. Germany: Aircraft Fairings Market Trend and Forecast (US\$ Million)
    - 7.3.1.2. France: Aircraft Fairings Market Trend and Forecast (US\$ Million)
    - 7.3.1.3. The UK: Aircraft Fairings Market Trend and Forecast (US\$ Million)
    - 7.3.1.4. Spain: Aircraft Fairings Market Trend and Forecast (US\$ Million)
    - 7.3.1.5. Russia: Aircraft Fairings Market Trend and Forecast (US\$ Million)
    - 7.3.1.6. Rest of Europe: Aircraft Fairings Market Trend and Forecast (US\$ Million)
  - 7.3.2. European Aircraft Fairings Market Trend and Forecast, by Aircraft Type (US\$ Million)
  - 7.3.3. European Aircraft Fairings Market Trend and Forecast, by Application Type (US\$ Million)



7.3.4. European Aircraft Fairings Market Trend and Forecast, by Material Type (US\$ Million)

7.3.5. European Aircraft Fairings Market Trend and Forecast, by Process Type (US\$ Million)

7.4. Asia-Pacific's Aircraft Fairings Market Analysis

7.4.1. Asia-Pacific's Aircraft Fairings Market Trend and Forecast, by Country (US\$ Million)

7.4.1.1. Japan: Aircraft Fairings Market Trend and Forecast (US\$ Million)

7.4.1.2. China: Aircraft Fairings Market Trend and Forecast (US\$ Million)

7.4.1.3. India: Aircraft Fairings Market Trend and Forecast (US\$ Million)

7.4.1.4. Rest of Asia-Pacific: Aircraft Fairings Market Trend and Forecast (US\$ Million)

7.4.2. Asia-Pacific's Aircraft Fairings Market Trend and Forecast, by Aircraft Type (US\$ Million)

7.4.3. Asia-Pacific's Aircraft Fairings Market Trend and Forecast, by Application Type (US\$ Million)

7.4.4. Asia-Pacific's Aircraft Fairings Market Trend and Forecast, by Material Type (US\$ Million)

7.4.5. Asia-Pacific's Aircraft Fairings Market Trend and Forecast, by Process Type (US\$ Million)

7.5. Rest of the World's (RoW) Aircraft Fairings Market Analysis

7.5.1. RoW's Aircraft Fairings Market Trend and Forecast, by Country (US\$ Million)

7.5.1.1. The Middle East: Aircraft Fairings Market Trend and Forecast (US\$ Million)

7.5.1.2. Latin America: Aircraft Fairings Market Trend and Forecast (US\$ Million)

7.5.1.3. Others: Aircraft Fairings Market Trend and Forecast (US\$ Million)

7.5.2. RoW's Aircraft Fairings Market Trend and Forecast, by Aircraft Type (US\$ Million)

7.5.3. RoW's Aircraft Fairings Market Trend and Forecast, by Application Type (US\$ Million)

7.5.4. RoW's Aircraft Fairings Market Trend and Forecast, by Material Type (US\$ Million)

7.5.5. RoW's Aircraft Fairings Market Trend and Forecast, by Process Type (US\$ Million)

## **8. COMPETITIVE ANALYSIS**

8.1. Strategic Insights

8.2. Presence by Aircraft Type

8.3. Presence by Application Type

- 8.4. Presence by Material Type
- 8.5. Presence by Process Type
- 8.6. Geographical Presence
- 8.7. Market Share Analysis

## **9. STRATEGIC GROWTH OPPORTUNITIES**

- 9.1. Strategic Insights
- 9.2. Market Attractive Analysis
  - 9.2.1. Market Attractiveness by Aircraft Type
  - 9.2.2. Market Attractiveness by Application Type
  - 9.2.3. Market Attractiveness by Material Type
  - 9.2.4. Market Attractiveness by Manufacturing Process Type
  - 9.2.5. Market Attractiveness by Region
  - 9.2.6. Market Attractiveness by Country
- 9.3. Growth Matrix Analysis
- 9.4. Emerging Trends
- 9.5. Key Success Factors

## **10. COMPANY PROFILE OF KEY PLAYERS**

- 10.1. Boeing Canada Winnipeg
- 10.2. CTRM Aero Composites Sdn Bhd.
- 10.3. FACC AG
- 10.4. Korean Air Aerospace Division
- 10.5. Leonardo S.p.A. (Alenia Aermacchi S.p.A.)
- 10.6. ShinMaywa Industries Ltd.
- 10.7. Spirit AeroSystems Inc.
- 10.8. Strata Manufacturing PJSC
- 10.9. Triumph Group Inc.
- 10.10. UTC Aerospace Systems

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