

Aircraft EMI Shielding Market by Aircraft Type (Commercial Aircraft, Military Aircraft, Regional Aircraft, General Aviation, Helicopter, and UAV), by Application Type (Equipment Shielding, Structural Shielding, and Bonding), by Product Type (Conductive Coatings & Paints; Laminates, Tapes & Foils; Cable Overbraids; Conductive Gaskets; and Others), by Location Type (Electronics Bay, Airframe, Flight Deck, and Antenna), 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 aircraft EMI shielding market 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.

Aircraft EMI Shielding Market: Highlights

The global aircraft EMI shielding market offers healthy growth opportunities in the entire ecosystem and is projected to reach US\$ 993.0 million in 2024. Increasing production rates of key aircraft programs, such as B737, B787, A320, and A350XWB; introduction of composite-rich aircraft, such as B787; increasing use of modern electronics

equipment; advancement in EMI shielding technologies and rising global aircraft fleet size are the major growth drivers of the market.

The market is segmented based on the aircraft type as Commercial Aircraft, Military Aircraft, Regional Aircraft, General Aviation, Helicopter, and UAV. Commercial aircraft is expected to remain the growth engine of the market during the forecast period. Increasing commercial aircraft deliveries to support rising passenger and freight traffic, introduction of fuel-efficient next-generation aircraft, increasing penetration of advanced composites in aircraft structural applications, and rising commercial aircraft fleet size across regions are the key factors propelling the demand for EMI shielding in the segment.

Based on the application type, the market is segmented as Equipment Shielding, Structural Shielding, and Bonding. Equipment shielding is expected to remain the most dominant application segment of the market during the forecast period, propelled by increasing shielding requirements for electrical equipment, avionics, and aircraft wiring and increasing usage of electronic devices and digital systems in avionic systems.

Based on the product type, the market is segmented as Conductive Coatings & Paints, Laminates, Tapes & Foils, Cable Overbraids, Conductive Gaskets, and Others. Conductive coatings & paints are expected to remain the dominant product type in the market during the forecast period, whereas the laminates, tapes & foils segment is expected to witness the highest growth in the same period, driven by an incessant replacement of metal parts with composite ones, owing to the advantage of excellent strength-to-weight ratio at a relatively low weight.

Based on the location type, the market is segmented as Electronic Bay, Airframe, Flight Deck, and Antenna. Electronics bay is expected to remain the largest and fastest-growing segment of the market during the forecast period, driven by increasing demand for EMI shielding in avionics and rising usage of gaskets in the electronic bay.

Based on regions, North America is expected to remain the largest aircraft EMI shielding market during the forecast period, whereas Asia-Pacific is expected to experience the highest growth in the same period. The higher growth of aircraft EMI shielding in Asia-Pacific is mainly attributable to the increasing aircraft fleet to support rising passenger traffic, opening of assembly plants of Boeing and Airbus for B737, A320, and A330 aircraft programs; increasing procurement of military aircraft owing to rising defense budget, and upcoming indigenous commercial and regional aircraft (C919 and MRJ).

The supply chain of this market comprises raw material suppliers, aircraft EMI shielding manufacturers, distributors, tier players, aircraft manufacturers, airline companies, MRO companies, and leasing companies. The key aircraft EMI shielding manufacturers are Parker Hannifin Corporation (Chomerics Division), W. L. Gore and Associates, Inc., The 3M Company, Laird Plc, and PPG Industries, Inc. Development of optimized aircraft EMI shielding, regional expansion, and execution of mergers & acquisitions are 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. About 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 global aircraft EMI shielding market is segmented into the following categories:

Aircraft EMI Shielding Market, by Aircraft Type

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

Military 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)

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

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

Aircraft EMI Shielding Market, by Application Type

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

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

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

Aircraft EMI Shielding Market, by Product Type

Conductive Coatings & Paints (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

Laminates, Tapes & Foils (Regional Analysis: North America, Europe, Asia-Pacific, and RoW)

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

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

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

Aircraft EMI Shielding Market, by Location Type

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

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

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

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

Global Aircraft EMI Shielding Market, by Region

North America (Country Analysis: The USA, Canada, and Mexico)

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

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

Rest of the World (Sub-Region 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 three players)

SWOT analysis of key players (up to three players)

Regional Segmentation

Current market size (2018) of aircraft EMI shielding in any of the North American country by aircraft type

Competitive Benchmarking

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

Custom Research: Stratview Research offers custom research services across sectors.

In the case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your inquiry at sales@stratviewresearch.com

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10.4. Laird PLC

10.5. Parker Hannifin Corporation (Chomerics Division)

10.6. PPG Industries, Inc.

10.7. The 3M Company

10.8. W. L. Gore and Associates, Inc.

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