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Aerospace & Defense Composite Ducting Market by Aircraft Type (Commercial Aircraft, Regional Aircraft, General Aviation, Helicopter, Military Aircraft, and Others), by Pressure Type (Low-Pressure Ducts and High-Pressure Ducts), by Reinforcement Type (Glass Composites, Carbon Composites, and Other Composites), by Matrix Type (Epoxy Composites, Phenolic Composites, Thermoplastic Composites, and Other Composites), by Application Type (ECS, APU, Avionics Ventilation, and Others), by Manufacturing Process Type (Mandrel Layup, Rotation Molding, and Others), and by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2018-2023

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Abstracts

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the global aerospace and defense composite ducting market over the trend period of 2012 to 2017 and the forecast period of 2018 to 2023. 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.

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The Global Aerospace and Defense Composite Ducting Market: Highlights

The global aerospace & defense composite ducting market is projected to reach US$ 815.8 million in 2023. Increasing production rates of major aircraft programs, such as A320 family, A350XWB, B737, and B787; upcoming aircraft and introduction of variants of the existing aircraft platforms, such as C919, MC-21, B737 Max, and A320neo; continuous shift from metal ducts to composite ducts to achieve greater fuel efficiency; an advancement in the ducting technology; and growing aircraft fleet size are major growth drivers of the global aerospace & defense composite ducting market.

Commercial aircraft is expected to remain the growth engine of the global aerospace & defense composite ducting market during the forecast period. This aircraft segment is also expected to witness the highest growth over the next five years, driven by increasing production rates of key aircraft programs, such as B737, A320, B787, and A350 and continuous shift from metal ducts to composite ducts in both low-pressure and high-pressure applications. Regional aircraft is also projected to witness an impressive growth during the same period.

Low-pressure applications currently dominate the global aerospace & defense composite ducting market. Composite ducting is widely preferred in the low-pressure applications throughout the entire breadth of fixed and rotary wing aircraft types and offers several advantages, such as lightweight, an excellent strength, thermal resistance, and ability to mold complex shapes.

Glass fiber is the most widely used reinforcement type in the global aerospace & defense composite ducting market and is expected to remain the largest reinforcement type over the next five years. This fiber type is highly preferred in low-pressure applications, such as cabin air recirculation and cabin sidewall riser as it offers good mechanical performance at a relatively lower cost. Epoxy, phenolic, and thermoplastic resins are used along with the glass fibers to manufacture ducting. Carbon fiber is likely to witness the highest growth over the next five years.

North America is expected to remain the largest market for global aerospace & defense composite ducting over the next five years. This region is the manufacturing hub of the advanced composites industry with the presence of several large- to small-sized part fabricators, prepreggers, and raw material suppliers. Boeing, Bombardier, and Lockheed Martin are major aircraft manufacturers in North America. Asia-Pacific is likely to experience the highest growth during the forecast period, driven by the demand for

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composite ducting in upcoming commercial and regional aircraft, such as COMAC C919 and Mitsubishi MRJ.

The supply chain of this market comprises raw material manufacturers, composite ducting manufacturers, Engine OEMs, and aircraft OEMs, and airline companies. The key aerospace engine manufacturers are CFM, GE Aviation Engines, and Pratt & Whitney and key aircraft OEMs are Boeing, Airbus, Lockheed Martin, Bombardier, Embraer, ATR, Cessna, and Gulfstream.

The key composite ducting manufacturers for the aerospace & defense industry are Senior Aerospace, Triumph Group, ITT Corporation, Parker Hannifin Corporation, Arrowhead Products, AIM Aerospace, and Stelia North America. New product development, the formation of long-term contracts, and collaboration with OEMs 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 10 detailed primary interviews with the market players across the value chain in all the four regions and with industry experts have been executed to obtain both the 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

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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 aerospace & defense composite ducting market is segmented into the following categories.

Global Aerospace & Defense Composite Ducting Market by Aircraft Type:

Commercial Aircraft

Regional Aircraft

General Aviation

Helicopter

Military Aircraft

Others

Global Aerospace & Defense Composite Ducting Market by Pressure Type:

Low-Pressure Composite Ducts

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High-Pressure Composite Ducts

Global Aerospace & Defense Composite Ducting Market by Application Type:

Environment Control System (ECS)

Auxiliary Power Unit (APU)

Avionic Ventilation

Others

Global Aerospace & Defense Composite Ducting Market by Reinforcement Type:

Glass Fiber Composites

Carbon Fiber Composites

Other Fiber Composites

Global Aerospace & Defense Composite Ducting Market by Matrix Type:

Epoxy Composites

Phenolic Composites

Thermoplastic Composites

Other Composites

Global Aerospace & Defense Composite Ducting Market by Manufacturing Process Type:

Mandrel Layup Process

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Rotational Molding

Others

Global Aerospace & Defense Composite Ducting Market by Region:

North America

Europe

Asia-Pacific

Rest of the World

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)

Geographic Analysis

Further segmentation of North America into the USA, Canada, and Mexico

Regional Segmentation

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

Custom Research: Stratview research offers custom research services across sectors. In case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send

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Contents

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12. COMPANY PROFILE OF KEY PLAYERS

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