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Global Composite Preforms Market by Application Segment (Aerospace & Defense, Automotive, Consumer Goods, Infrastructure, Medical, Marine, and Others), by Fiber Type (Glass Fiber, Carbon Fiber, and Others), by Product Type (Braiding, Weaving, Stitching, and Knitting), by Structure Type (One-D, Two-D, and Three-D), and by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2016 – 2021

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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 composite preforms market over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

The Opportunity for Global Composite Preforms Market: Highlights

Composite preforms have been used for almost 80 years in the infusion molding process. Composite preform is a preshaped fiber form. The fibers are arranged in one, two or three dimensions in the approximate shape, contour and thickness desired in the finished composite part. Currently most of the composite preforms are used in the turbofan engine applications for commercial aircraft, such as fan blade. The composite

prefrom technology in aerospace and defense industry has gained acceptance over the years.

The two or three dimensional composite preforms are also capable of being used in the manufacturing of high performance composite parts for automotive industry, but most of the auto makers have disowned it due to perceived high cost and auto makers' change averse culture. During the last ten years, governments of many countries have imposed stringent regulations on the automotive industry by setting up targets related to vehicle's fuel efficiency and carbon emission, which compelled auto OEMs to look for the best alternatives for achieving those targets. Composite preform is one of the best options for achieving those targets. Currently, many OEMs are heavily betting on composite preforms based highly automated High Pressure Resin Transfer Molding (HP-RTM) for their structural applications in their mass produced vehicles.

The global composite preforms market offers a healthy growth opportunity and is likely to grow at an 8.5% CGAR during the forecast period of 2016 to 2021. Ability to develop complex parts, excellent product strength, and shortened cycle time are the major drivers providing growth momentum to the global composite preforms market.

Aerospace and defense is expected to remain dominant in the composite preforms market whereas automotive is expected to experience the fastest growth in the next five years.

North America is expected to remain the dominant region in the composite preforms market being the manufacturing hub of the major turbofan engine OEMs.

The supply chain of this market comprises raw material manufacturers, composite preform manufacturers, part fabricators, and OEMs in automotive, aerospace & defense, etc. The key aerospace engine manufacturers are CFM, GE Aviation Engines, and Pratt & Whitney and key automotive OEMs are BMW, GM, Toyota, and Ford.

The key composite preform manufactures are A&P technology, Albany Engineered Composites, Bally Ribbon Mills, Sigmatex, SGL Kumpers GmbH. New product development, regional expansion, and joint product development with OEMs are the key strategies adopted by the key players to gain 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 700 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 15 detailed primary interviews with the market players across the value chain in the all four regions and 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 on 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 composite preform market is segmented into the following categories.

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Global Composite Preform Market by Application Segment:

- Aerospace and Defense
- Automotive
- Consumer Goods
- Infrastructure
- Medical
- Marine
- Others

Global Composite Preform Market by Fiber Type:

- Glass Fiber
- Carbon Fiber
- Other Fibers

Global Composite Preform Market by Product Type:

- Braiding
- Weaving
- Stitching
- Knitting

Global Composite Preform Market by Structure Type:

One D

Two D

Three D

Global Composite Preform 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 (upto 3)

SWOT analysis of key players (upto 3)

Geographic Analysis

Breakdown of current North American market into US, Canada and Mexico

Regional Segmentation

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

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