



Global Composite Vacuum Consumables Market 2017 Share, Trend, Segmentation And Forecast To 2022

Composite Vacuum Consumables -Market Demand, Growth, Opportunities and analysis of Top Key Player Forecast to 2021

PUNE, MAHARASHTRA, INDIA, September 27, 2017 /EINPresswire.com/ -- [Composite Vacuum Consumables](#) Industry

Description

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This report, from Stratview Research, studies the vacuum consumables market in the global composites industry 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 Global Composite Vacuum Consumables Market: Highlights

The global composite vacuum consumables market is expected to experience a healthy CAGR of 5.7% during the forecast period of 2016 to 2021. Increasing use of prepreg in the aerospace & defense and automotive industries, recovering marine market, and sustainable growth in the wind energy are major growth drivers of the global composite vacuum consumables market.

Vacuum consumables comprise of vacuum bagging film, release film, peel ply, breather & bleeder, pressure sensitive tape, sealing tape, vacuum hose, and vacuum pump. Vacuum bagging film and release film are expected to remain the key vacuum consumable types over the next five years. Both the major composites part manufacturing processes; VARTM and prepreg lay-up, heavily rely on vacuum bagging film and release film during parts manufacturing.

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There are many composite manufacturing processes where vacuum consumables play a crucial role in parts manufacturing, such as prepreg lay-up (autoclaves and ovens), vacuum assisted resin transfer molding (VARTM), wet lamination, and glass laminating. VARTM process is expected to remain the most dominant application of composite vacuum consumables over the next five years. VARTM is a process of choice for fabricating large-sized components with complex structure. The process is widely preferred in the wind energy for manufacturing longer wind turbine blades and in marine industry for manufacturing boat's hulls and decks. It is also preferred in the automotive industry for manufacturing structural parts.

Aerospace & defense is expected to remain the largest end use industry for composite vacuum consumables during the forecast period. High use of prepreg lay-up process for manufacturing

structural composite components is the prime driver of vacuum consumables in the aerospace & defense industry. The next generation aircraft, such as B787 and A350XWB have about 50% composites in the total structural weight of the aircraft in which majority is manufactured through prepreg material.

Automotive industry is expected to experience the fastest growth during the forecast period. The stringent government regulations are forcing auto OEMs to incorporate advanced lightweight materials in the structural areas of an automobile. This trend is driving composite penetration, especially in electric vehicles and premium vehicles to enhance fuel efficiency and to achieve stringent government regulations, such as CAFÉ standards.

North America is expected to remain the largest market for composite vacuum consumables during the forecast period. The region is the world's capital of composite manufacturing with presence of many big to small composite parts molders. It is the largest composites market for aerospace & defense, transportation, and marine industries and is also one of the leading wind composites market. All these four markets will continue to generate a healthy demand for vacuum consumables in the North America.

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Asia-Pacific is the fastest growing market for composite vacuum consumables for the same period. High growth of composites and upcoming indigenous commercial and regional aircraft are some of the key reasons behind the massive growth in the Asia-Pacific region. China, Japan, and India are expected to remain the growth engines of the Asia-Pacific market.

The supply chain of this market comprises of raw materials suppliers, film suppliers, vacuum consumables manufacturers, distributors, part molders, OEMs, and end users. The global composite vacuum consumable is a highly consolidated market. The key manufacturers are Airtech International, Solvay S.A. (Umeco Plc), and Diatex S.A. New product development, regional expansion, and long term relation with prepreg manufacturers 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 500 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 the four regions and industry experts are usually executed to obtain both the qualitative and quantitative insights.

Global Composite Vacuum Consumables Market by Material Type:

- Vacuum Bagging Film (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Release Film (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Peel Ply (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Breathers & Bleeders (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Others (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

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Global Composite Vacuum Consumables Market by Application Type:

- Prepreg Lay-up Process (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- VARTM Process (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Other Processes (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Global Composite Vacuum Consumables Market by End Use Industry:

- Aerospace & Defense (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Wind Energy (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Transportation (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)
- Others (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Global Composite Vacuum Consumables Market by Region:

- North America (Country Analysis: US, Canada, and Mexico)
- Europe (Country Analysis: Germany, France, United Kingdom, Italy, and Rest of the Europe)
- Asia – Pacific (Country Analysis: China,

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