

Emerging Carbon Fiber Applications 2011-2016: Trends, Economic Feasibility and Profit Opportunity Analysis, October 2011

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Abstracts

According to Lucintel's research indicates that, applications for carbon fiber are increasing day by day. Until 2000, aerospace, industrial and sporting goods applications drove the increased usage of carbon fiber. Great demand for carbon fiber driven by new commercial aircraft such as the Boeing 787, Airbus A380, and A350 XWB; weight reductions in automobiles for greater performance and fuel efficiency; growing use of carbon fiber in the wind energy, offshore oil and gas development and several emerging carbon fiber applications are likely to drive growth during the next five years and beyond.

The carbon fiber industry has proved itself on the basis of high performance, light weight and excellent strength characteristics. The demand for carbon fiber has been growing steadily since its launch approximately 40 years ago. Although there are many facets of the composites marketplace, applications using carbon fiber continue to accelerate as industries – from aerospace to renewable energy – adopt this remarkable and versatile material.

Lucintel's research indicates that, applications for carbon fiber are increasing day by day. Until 2000, aerospace, industrial and sporting goods applications drove the increased usage of carbon fiber. Great demand for carbon fiber driven by new commercial aircraft such as the Boeing 787, Airbus A380, and A350 XWB; weight reductions in automobiles for greater performance and fuel efficiency; growing use of carbon fiber in the wind energy, offshore oil and gas development and several emerging carbon fiber applications are expected to drive growth during the next five years and beyond.

To understand the critical factors driving the demand for carbon fiber in each of the emerging applications, this study has undertaken elaborate market research and analysis to identify and forecast the top emerging applications. According to Lucintel research, some of the emerging applications which have significant growth potential in next five years and beyond are: Automotive market, Wind energy, Commercial Aerospace, Military and defense, Oil and gas Compounding

According to Lucintel, carbon fiber cost and availability are the two greatest challenges in the industry. Lucintel's research report provides carbon fiber snapshot, trend scenarios and forecast statistics for 2011–2016; details the industry's drivers and challenges; emerging carbon fiber applications; nuclear centrifuge rotor tubes, consumer electronics, offshore oil and gas applications, wind energy, automotive applications, high pressure tanks, fuel cell, medical and biomedical applications, commercial aerospace, and more. The report also details recent & future applications.

This unique report from Lucintel is expected to provide you valuable information, insights and tools needed to identify new growth opportunities and operate your business successfully in this market. This report is estimated to save hundreds of hours of your own personal research time and is likely to significantly benefit you in expanding your business in this market. In today's stringent economy, you need every advantage that you can find to keep ahead in your business.

To make informed business, investment, or strategic decisions, professionals need timely and accurate information. Lucintel believes "Emerging Carbon Fiber Applications 2011–2016: Trends, Economic Feasibility and Profit Opportunity Analysis" fulfill this core requirement. This is a vital reference guide for the carbon fiber producers, CFRP component manufacturers also the companies which are using alloys or metals but wants to switch for CFRP.

Some of the features of the report "Emerging Carbon Fiber Applications 2011–2016: Trends, Economic Feasibility and Profit Opportunity Analysis" are:

Carbon fiber market size in terms of value shipment and volume shipment

Evolution of carbon fiber applications

Emerging carbon fiber key applications details with fully illustrated diagrams and pictures.

Technology roadmap for each application.

Major Growth drivers and challenges and their impact for emerging carbon fiber

Market opportunities for various applications such as civil construction, automotive, consumer goods, Wind energy, nuclear centrifuges and others.

Size of the opportunity in a particular application.

Trend(2005-2010) and forecast (2011-2016) application of emerging carbon fiber application

Growth opportunities in emerging applications of carbon fiber

Key success factors for carbon fiber across each application

About 222 figures/charts and five tables in this roughly 227-page market report to help you make confident business decisions.

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