A major in-depth Market Report on the Carbon Fibre Industry….

**THE CARBON FIBRE INDUSTRY WORLDWIDE 2011-2020:**
AN EVALUATION OF CURRENT MARKETS AND FUTURE SUPPLY AND DEMAND

By Tony Roberts

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The report provides information on:

- Global sales of carbon fibre reinforced plastics (CFRPs) are estimated to be $16.1 billion in 2011, and are forecast to reach $28.2 billion in 2015 and $48.7 billion by 2020.
- The global demand for carbon fibre tow in 2011 is estimated to be 46,000 tonnes, and is forecast to rise to 140,000 tonnes by 2020.
- Sales of carbon fibre tow (small tow and large tow) will increase from $1.6 billion in 2011 to $4.5 billion in 2020.
- Large tow demand is forecast to grow from 38% of all tow types in 2011 to 45% by 2020.
- The global end-use demand for carbon fibre in 2011 is: aerospace 17%, industrial (including wind energy and automotive) 67%, and sports goods 16%. The report forecasts yearly demand by end-use markets to 2020.
- By 2020, the two major industrial applications – wind energy and automotive – will account for 46% of the world's total demand for carbon fibre. The wind energy market is set to increase from 10,440 tonnes of carbon fibre in 2011 to 54,270 tonnes by 2020.
- Carbon fibre demand (buy weight) in the aerospace/defence sector is forecast to grow from 7,694 tonnes in 2011 to 18,462 tonnes by 2015 and $48.7 billion by 2020.
- By 2020, Japan will produce 25% of the world's total demand for carbon fibre, USA 28%, Europe 28%, China 9% and the Rest of the World 10%.
- Plant capacity increases announced by carbon fibre manufacturers will result in nameplate capacity being increased from 102,000 tonnes in 2011 to 129,000 tonnes in 2015. The report highlights the potential for this capacity to increase to 185,000 tonnes by 2020.
- Includes in-depth profiles of all the major carbon fibre producers worldwide, including history, takeovers/mergers, plant expansions, financial results, and data on product ranges.
- The report is over 400 pages long and includes over 270 tables/figures giving plant capacities and output, consumption by individual key markets, and forecast supply/demand for carbon fibre and CFRP to 2020.


This is the ONLY market report available on the carbon fibre industry that forecasts worldwide markets through to 2020. Supply and demand forecasts to 2020 are provided through comprehensive statistical data (in table and graph formats), backed by analysis of likely trends for both carbon fibre and carbon fibre reinforced plastics (CFRPs).

All of the world's major carbon fibre manufacturers are featured in the report, along with new players entering the business, with detailed information given on plant capacities, production outputs, future expansion plans, product ranges and full financial results. The role that China will play in the next decade is fully assessed in the report.

Over 400 pages long and with over 270 tables/figures.

Below are independent feedback comments from purchasers of The Carbon Fibre Industry Worldwide 2011-2020.

- **Reliance Industries Ltd**
  - This report is a first class source of reliable information on the carbon fibre industry. Figures and forecasts are realistic and have been very helpful with our future carbon fibre business planning.

- **Hyosung Corporation**
  - I think Tony Roberts’ carbon fibre report is the “Bible” of the carbon fibre industry. It is a source of information that is needed by any carbon fibre salesman almost on a weekly basis. I admire Tony's analytical approach, which is the result of long experience in this industry.

- **DowAska**
  - The report gives useful insights into various industry segments over and above the quantitative projections. An excellent report to gain a head start into the carbon fibre industry.

- **Harper International**
  - The information is obviously up to date and the report fulfils our market overview requirements. It has already been a big help in several discussions with potential customers intending to invest in new carbon fibre production lines.

- **Trützschler Nonwovens GmbH**
  - Our company is quite young in the carbon fibre business, so for us it's very important to have access to modern, up to date analytical information regarding the industry, its trends and outlooks. Tony Robert’s report provides very good quality market analysis and in-depth information on industry-specific markets. I recommend this report to all companies looking for new opportunities and challenges in this field.

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Anthony (Tony) Roberts has over 40 years’ experience in the carbon fibre and advanced composites industry, particularly China. Over the last three and a half years, he has spent extended periods in China as a consultant to the carbon fibre industry, gathering data on manufacturers and evaluating market trends.

Roberts has a unique insight into the important growing carbon fibre industry in developing regions, including China. From 2005 to the present, Roberts has served the industry as an independent consultant. He has prepared a number of studies on the carbon fibre industry, including two individual client studies and two global market reports published by Materials Technology Publications: The Carbon Fibre Industry: Global Strategic Market Evaluation (2006) and The Carbon Fibre Industry Worldwide (2008).

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