Growth Opportunities in the Global Composite Cylinder Market 2015-2020: Trends, Forecasts and Opportunity Analysis

Description: According to a new market report, the future of the global composite cylinder market looks attractive with opportunities in the gas carrier and storage, life support, and transportation industries. The global composite cylinder market is forecast to grow at a CAGR of 8.7% from 2015 to 2020. The major drivers of growth for this market are increase in demand for natural gas vehicles and increasing demand for lightweight cylinder with higher gas carrying capacity.

Composite cylinders are available mainly in three types: Type-II, Type-III, and Type-IV. Type II cylinders are the heaviest, whereas Type IV tanks are the lightest and most expensive. These cylinders are used in various end use applications like transportation, gas carrier & storage, life support, and recreation. On the basis of comprehensive research the author forecasts that, gas carrier & storage, and transportation industries are expected to show above average growth during the forecast period. The author forecasts that, Type-IV cylinder is expected to show the highest growth during forecast period.

In this market, carbon fiber, glass fibers, and epoxy resin are the major raw materials used for manufacturing composite cylinders. The author predicts that the carbon fiber composites will continue to have the highest usage by value in the composite cylinder during the forecast period.

North America is expected to be the largest market due to the high acceptance level of composite cylinders and demand of Type IV cylinders for bulk gas transportation. North America and Rest of the world (including Asia Pacific) region is expected to witness highest growth over the forecast period because of increasing demand for natural gas vehicles and gas carrier & storage system.

For market expansion, report suggests capacity expansion and new product development to reduce weight and increase gas carrying capacity per cylinder. Emerging trends in the global composite cylinder, which have a direct impact on the dynamics of the industry, include development of Type-V tanks and increasing demand for lightweight cylinders. Hexagon Composites, Luxfer Gas Cylinders, BTIC, Faber Industrie, and Worthington are among the major suppliers of the composite cylinders.

The author has analyzed the global composite cylinder market by application, cylinder type, fiber type, and region, and has come up with a comprehensive research report, “Global Opportunities in the Global Composite Cylinder Market 2015-2020: Trends, Forecast and Opportunity Analysis.” The report serves as a spring board for growth strategy as it provides a comprehensive data and analysis on trends, key drivers, and directions. The study includes a forecast of the global composite cylinder market through 2020, segmented by end-use industry, cylinder type, fiber type, and region as follows:

By end use industry [Unit (Thousand Units) and $ Mil value analysis for 2009 - 2020]:
- Gas Carrier and Storage
- Transportation
- Life Support
- Recreational and Others

By cylinder type [Unit (Thousand Units) and $ Mil value analysis for 2009 - 2020]:
- Type II
- Type III
- Type IV

By region [Unit (Thousand Units) and $ Mil value analysis for 2009 - 2020]:
- North America
- Europe
- Rest of the World (including Asia Pacific)

By fiber type [Volume (Mil lbs) and $ Mil value analysis for 2009 - 2020]:


This report answers following 11 key questions:

- Q.1. How big the opportunities for global composite cylinders market by end use application, cylinder type, fiber type, and region?
- Q.2. Which segments will grow at a faster pace and why?
- Q.3. Which region will grow at a faster pace and why?
- Q.4. What are the key factors affecting market dynamics? What are the drivers and challenges of the market?
- Q.5. What are the business risks and threats of this market?
- Q.6. What are emerging trends in this market and reasons behind it?
- Q.7. What are some changing demands of customers in the market?
- Q.8. What are the new developments in the market? Which companies are leading these developments?
- Q.9. Who are the major players in this market? What strategic initiatives are taken by key players for business growth?
- Q.10. How is the competitive rivalry and threat of substitution in this market?
- Q.11. How many M & A activities happened during last 1-2 years and what are their impacts?

This unique report will provide you with valuable information, insights, and tools needed to identify new growth opportunities and operate your business successfully in this market. This report will save hundreds of hours of your own personal research time and will significantly benefit you in expanding your business in this market. In today's stringent economy, you need every advantage that you can find. To make business, investment, and strategic decisions, you need timely, useful information. This market report fulfills this core need and is an indispensable reference guide for multinational materials suppliers, product manufacturers, investors, executives, distributors, and many more that operate in this market.

Some of the features of “Growth Opportunities in the Global Composite Cylinder Market 2015-2020: Trends, Forecast, and Opportunity Analysis” include:

Market size estimates: Growth opportunities in the global composite cylinder market size estimation in terms of value ($ Mil) shipment. Trend and forecast analysis: Global composite cylinder market trend (2009-2014) and forecast (2015-2020) by region and segment. Segmentation analysis: Global composite cylinder market size by various application types, such as gas carriers and storage, transportation, by cylinder type, such as type 11 and type 111, by fiber type such as carbon fiber and glass fiber. Regional analysis: Global composite cylinder market breakdown by key regions such as North America, Europe, Asia Pacific, and Rest of World. Growth opportunities: Analysis on growth opportunities in different applications and regions. Strategic analysis: This includes M&A, new product development, competitive landscape, and expansion strategies of global composite cylinder market suppliers. Emerging applications: Emerging applications of composite cylinder in various markets. Analysis of competitive intensity of the industry based on Porter's Five Forces model.

Contents:

1. Executive Summary
2. Industry Background and Classifications
   2.1: Introduction
   2.2: Industry Classification
   2.3: Markets Served
   2.4: Supply Chain
3. Market Trend and Forecast Analysis
   3.1: Market Analysis: 2014
      3.1.1: Global Composite Cylinder Market by End Use Application
      3.1.2: Global Composite Cylinder Market by Type of Cylinder
      3.1.3: Composite Consumption in the Global Composite Cylinder Market by Fiber Type
      3.1.4: Global Composite Cylinder Market by Region
   3.2: Market Trend 2009-2014
      3.2.1: Macroeconomic Trends
3.2.2: Global Composite Cylinder Market Trend by Value and Unit
3.2.3: Industry Drivers and Challenges
3.3: Market Forecast Analysis 2015-2020
  3.3.1: Macroeconomic Forecast
  3.3.2: Forecast for the Global Composite Cylinder Market by Value and Volume

4. Competitive Analysis
  4.1: Product Portfolio Analysis
  4.2: Market Share Analysis
    4.2.1: Market Concentration by Top Five Players
  4.3: Geographical Reach
  4.4: Operational Integration
  4.5: Porter’s Five Forces Analysis

5. Growth Opportunity and Strategic Analysis
  5.1: Growth Opportunities Analysis
    5.1.1: Growth Opportunity for Global Composite Cylinder Market by Application
    5.1.2: Growth Opportunity for Global Composite Cylinder Market by Region
    5.1.3: Growth Opportunity for Composite Cylinder by Type of Cylinder
  5.2: Emerging Trends in the Global Composite Cylinder Market
  5.3: Strategic Analysis
    5.3.1: New Product Development
    5.3.2: New Market Entry
    5.3.3: Expansion Strategy
    5.3.4: Product-Market Growth Matrix for Global Composite Cylinder Market
  5.4: Mergers and Acquisitions in Composite Cylinder Industry

6. Company Profiles of Leading Players

List of Figures
Chapter 2. Industry Background and Classifications
  Figure 2.1: Schematic Representation of the Wet Filament Winding Process (Source: Etamax Engineering)
  Figure 2.2: Filament Winding Process for Manufacturing CNG Cylinders (Source: VEM SpA)
  Figure 2.3: Different Type of Cylinder (Source: Lucintel)
  Figure 2.4: Composite Cylinder Market Breakdown by Application (Source: Lucintel)
  Figure 2.5: An LPG Gas Grill, a Propane Car, and a Factory Using LPG to Manufacture Plastics (Source: Lucintel)
  Figure 2.6: An LPG Storage Composite Cylinder (Source: Lite Cylinder)
  Figure 2.7: Trailers Carrying Composites CNG Cylinder (Source: MCS International)
  Figure 2.8: Trailers Carrying Composite Hydrogen Cylinders (Source: Lucintel)
  Figure 2.9: Volvo Bi-Fuel System (Source: Lucintel)
  Figure 2.10: Sun Bus Loaded with 12 Type IV CNG Fuel Tanks Mounted on the Roof of the Bus (Source: NGV Community)
  Figure 2.11: Mercedes Blue Zero F-Cell-2009 (Source: Mercedes Benz)
  Figure 2.12: Firefighters with SCBA Cylinder (Source: Drager SCBA Solution)
  Figure 2.13: SCUBA Diver with Hoop Wrapped Cylinder in a Diving Kit (Source: Luxfer Gas Cylinder)
  Figure 2.14: Paintball Kit with Fiber Wrapped Cylinder (Source: Lucintel)
  Figure 2.15: Supply Chain of Global Composite Cylinder Market (Source: Lucintel)

Chapter 3. Market Trend and Forecast Analysis
  Figure 3.1: Global Composite Cylinder Market ($ Million) Distribution by Application in 2014 (Source: Lucintel)
  Figure 3.2: Global Composite Cylinder Market ($ Million) by Application in 2014 (Source: Lucintel)
  Figure 3.3: Global Composite Cylinder Market (Thousand Units) Distribution by Application in 2014 (Source: Lucintel)
  Figure 3.4: Global Composite Cylinder Market (Thousand Units) by Application in 2014 (Source: Lucintel)
  Figure 3.5: Global Composite Cylinder Market ($ Million) Distribution by Type of Cylinder in 2014 (Source: Lucintel)
  Figure 3.6: Global Composite Cylinder Market ($ Million) by Type of Cylinder in 2014 (Source: Lucintel)
  Figure 3.7: Global Composite Cylinder Market (Thousand Units) Distribution by Type of Cylinder in 2014
(Source: Lucintel)

Figure 3.8: Global Composite Cylinder Market (Thousand Units) by Type of Cylinders in 2014 (Source: Lucintel)

Figure 3.9: Composite Consumption ($ Million) in the Global Composite Cylinder Market Distribution by Fiber Type in 2014 (Source: Lucintel)

Figure 3.10: Composite Consumption ($ Million) in the Global Composite Cylinder Market by Fiber Type in 2014 (Source: Lucintel)

Figure 3.11: Composite Consumption (Million Pounds) in the Global Composite Cylinder Market Distribution by Fiber Type in 2014 (Source: Lucintel)

Figure 3.12: Composite Consumption (Million Pounds) in the Global Composite Cylinder Market by Fiber Type in 2014 (Source: Lucintel)

Figure 3.13: Global Composite Cylinder Market ($ Million) Distribution by Region in 2014 (Source: Lucintel)

Figure 3.14: Global Composite Cylinder Market ($ Million) by Region in 2014 (Source: Lucintel)

Figure 3.15: Global Composite Cylinder Market (Thousand Units) Distribution by Region in 2014 (Source: Lucintel)

Figure 3.16: Global Composite Cylinder Market (Thousand Units) by Region in 2014 (Source: Lucintel)

Figure 3.17: Global Natural Gas Vehicle (Million Units) Trend (Cumulative) from 2009 to 2014 (Source: NGV Journal)

Figure 3.18: Global Natural Gas Vehicle (Million Units) Trend (Annual) from 2009 to 2014 (Source: NGV Journal)

Figure 3.19: Comparison of Average Retail Fuel Price in US from 2009 to 2014 (Source: US Department of Energy)

Figure 3.20: Global Composite Cylinder Market Trend from 2009 to 2014 (Source: Lucintel)

Figure 3.21: Global Composite Cylinder Market ($ Million) Trend by Application from 2009 to 2014 (Source: Lucintel)

Figure 3.22: Growth Rate of Global Composite Cylinder Market ($ Million) by Application from 2013 to 2014 (Source: Lucintel)

Figure 3.23: CAGR of Global Composite Cylinder Market ($ Million) by Application from 2009 to 2014 (Source: Lucintel)

Figure 3.24: Global Composite Cylinder Market (Thousand Units) Trend by Application from 2009 to 2014 (Source: Lucintel)

Figure 3.25: Growth Rate of Global Composite Cylinder Market (Thousand Units) by Application from 2009 to 2014 (Source: Lucintel)

Figure 3.26: CAGR of Global Composite Cylinder Market (Thousand Units) by Application from 2009 to 2014 (Source: Lucintel)

Figure 3.27: Global Composite Cylinder Market ($ Million) Trend by Types of Cylinders from 2009 to 2014 (Source: Lucintel)

Figure 3.28: Growth Rate of Global Composite Cylinder Market ($M) by Type of Cylinder from 2009 to 2014 (Source: Lucintel)

Figure 3.29: CAGR of Global Composite Cylinder Market ($ Million) by Type of Cylinder from 2009 to 2014 (Source: Lucintel)

Figure 3.30: Global Composite Cylinder Market (Thousand Units) Trend by Type of Cylinder from 2009 to 2014 (Source: Lucintel)

Figure 3.31: Growth Rate of Global Composite Cylinder Market (Thousand Units) by Type of Cylinder from 2009 to 2014 (Source: Lucintel)

Figure 3.32: CAGR of Global Composite Cylinder Market (Thousand Units) by Type of Cylinder from 2009 to 2014 (Source: Lucintel)

Figure 3.33: Composite Consumption ($ Million) Trend in the Global Composite Cylinder Market by Fiber Type from 2009 to 2014 (Source: Lucintel)

Figure 3.34: Growth Rate of Global Composite Cylinder Market ($M) by Fiber Type from 2013 to 2014 (Source: Lucintel)

Figure 3.35: CAGR of Composite Consumption in the Global Composite Cylinder Market ($ Million) by Fiber Type from 2009 to 2014 (Source: Lucintel)

Figure 3.36: Composite Consumption (Million Pounds) Trend in the Global Composite Cylinder Market by Fiber Type from 2009 to 2014 (Source: Lucintel)

Figure 3.37: Growth Rate of Global Composite Cylinder Market (Million Pounds) by Fiber Type from 2013 to 2014 (Source: Lucintel)

Figure 3.38: CAGR of Composite Consumption in the Global Composite Cylinder Market by Fiber Type from 2009 to 2014 (Source: Lucintel)

Figure 3.39: Global Composite Cylinder Market ($ Million) Trend by Region from 2009 to 2014 (Source: Lucintel)

Figure 3.40: Growth Rate of Global Composite Cylinder Market ($ Million) by Region from 2013 to 2014 (Source: Lucintel)
Chapter 4. Competitive Analysis

Figure 4.1: Market Share Analysis for Global Composite Cylinder Market ($ Million) in 2014 (Source: Lucintel)
Figure 4.2: Market Share by Top Five Players of Global Composite Cylinder Market ($ Million) in 2014 (Source: Lucintel)
Figure 4.3: Market Share Analysis for Type II Composite Cylinder Market ($ Million) in 2014 (Source: Lucintel)
Figure 4.4: Market Share Analysis for Type III Composite Cylinder Market ($ Million) in 2014 (Source: Lucintel)
Figure 4.5: Market Share Analysis for Type IV Composite Cylinder Market ($ Million) in 2014 (Source: Lucintel)
Figure 4.6: Major Composite Cylinder Manufacturers Locations (Source: Lucintel)
Figure 4.7: Porter's Five Forces Model for Global Composite Cylinder Market (Source: Lucintel)

Chapter 5. Growth Opportunity and Strategic Analysis

Figure 5.1: Growth Opportunity for the Global Composite Cylinder Market by Application from 2015 to 2020 (Source: Lucintel)
Figure 5.2: Growth Opportunity for the Global Composite Cylinder Market by Region from 2015 to 2020 (Source: Lucintel)
Figure 5.3: Growth Opportunity for the Global Composite Cylinder Market by Type of Cylinder from 2015 to 2020 (Source: Lucintel)
Figure 5.4: Emerging Trends in the Global Composite Cylinder Market (Source: Lucintel)
Figure 5.5: Competitors' Focus Area of Competitiveness (Source: Lucintel)
Figure 5.6: Major Capacity Expansion in the Composite Cylinder Market by Major Players (Source: Lucintel)
Figure 5.7: Strategic Initiatives by Major Competitors in 2014 (Source: Lucintel)
Figure 5.8: Strategic Initiatives by Major Competitors in 2013 (Source: Lucintel)
Figure 5.9: Year-over-Year Study of the Strategic Initiatives in Global Composite Cylinder Market (Source: Lucintel)
Figure 5.10: Business Expansion Strategy of Competitors-Ansoff Matrix (Source: Lucintel)
Figure 5.11: Product-Market Strategy for Global Composite Cylinder Market (Source: Lucintel)

List of Tables

Chapter 1. Executive Summary

Table 1.1: Market Parameters for the Global Composite Cylinder Market and Attributes of Usage

Chapter 3. Market Trend and Forecast Analysis

Table 3.1: Global Composite Cylinder Market Trend from 2009 to 2014
Table 3.2: Average Growth Rates for One, Three, and Five years in the Global Composite Cylinder Market in Terms of Value ($ Million)
Table 3.3: Market Size and 2013 to 2014 Growth Rates in Various Segments of Global Composite Cylinder Market in Terms of Value and Unit
Table 3.4: Market Size and Compound Annual Growth Rates during Last Five Years (2009 to 2014) in Various Segments of Global Composite Cylinder Market in Terms of Value and Unit
Table 3.5: Market Size and 2013 to 2014 Growth Rates in Various Types of Cylinder of Global Composite Cylinder Market in Terms of Value and Unit
Table 3.6: Market Size and Compound Annual Growth Rates during Last Five Years from 2009 to 2014 in Various Types of Cylinders of Global Composite Cylinder Market in Terms of Value and Unit
Table 3.7: Market Size and 2013 to 2014 Growth Rates for the Composite Consumption by Fiber Type in the Global Composite Cylinder Market in Terms of Value and Unit
Table 3.8: Market Size and Compound Annual Growth Rates during Last Five Years from 2009 to 2014 by Fiber Type for Composite Consumption in the Global Composite Cylinder Market in Terms of Value and Unit
Table 3.9: Market Size and 2013 to 2014 Growth Rates of Global Composite Cylinder Market by Region in Terms of Value and Volume
Table 3.10: Market Size and Compound Annual Growth Rates during Last Five Years from 2009 to 2014 of Global Composite Cylinder Market by Region in Terms of Value and Volume
Table 3.11: Global Composite Cylinder Market Forecast from 2015 to 2020
Table 3.12: Average Growth Rates for One, Three, and Five years in the Global Composite Cylinder Market
in Terms of $ Shipment
   Table 3.13: Market Size and 2014 to 2015 Growth Rates in Various Application Segments of Global Composite Cylinder Market in Terms of Value and Unit
   Table 3.14: Market Size and Compound Annual Growth Rates during Forecast Period (2015 to 2020) in Various Segments of Global Epoxy Curing Agent Market in Terms of Value and Unit
   Table 3.15: Market Size and 2014 to 2015 Growth Rates by Type of Cylinder in Global Composite Cylinder Market in Terms of Value and Unit
   Table 3.16: Market Size and Compound Annual Growth Rates during Last Five Years from 2009 to 2014 in Various Types of Cylinders of Global Composite Cylinder Market in Terms of Value and Unit
   Table 3.17: Market Size and 2014 to 2015 Growth Rates of Composite Consumption in the Global Composite Cylinder Market by Fiber Type in Terms of Value and Volume 100
   Table 3.18: Market Size and Compound Annual Growth Rates by Fiber Type during Last Five Years from 2015 to 2020 for Composite Consumption in Global Composite Cylinder market in Terms of Value and Volume
   Table 3.19: Market Size and 2014 to 2015 Growth Rates of Regional Markets in Global Composite Cylinder Market in Terms of Value and Unit
   Table 3.20: Market Size and Compound Annual Growth Rates during Forecast Period from 2015 to 2020, in Various Region of Global Composite Cylinder Market in Terms of Value and Unit

Chapter 4. Competitive Analysis
   Table 4.1: Market Presence of Major Composite Cylinder Players by Application
   Table 4.2: Product Mapping of Composite Cylinder Manufacturers Based on Type of Tanks
   Table 4.3: Rankings of Composite Cylinder Suppliers Based on Revenue
   Table 4.4: Presence of Composite Cylinder Manufacturers across the Value Chain

Chapter 5. Growth Opportunity and Strategic Analysis
   Table 5.1: New Product Launches by the Players in Global Composite Cylinder Market
   Table 5.2: New Product Attractiveness Rating by Lucintel
   Table 5.3: Capability Enhancement Activities by Major Competitors
   Table 5.4: New Players in the Global Composite Cylinder Market
   Table 5.5: Segmentation of Strategic Initiatives by Major Players in 2014
   Table 5.6: Segmentation of Strategic Initiatives by Major Players in 2013
   Table 5.7: Market Expansion Analysis of Major Players
   Table 5.8: Type of Market Expansion Activities by Major Competitors

Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Growth Opportunities in the Global Composite Cylinder Market 2015-2020: Trends, Forecasts and Opportunity Analysis
Web Address: http://www.researchandmarkets.com/reports/3514584/
Office Code: SCBR2B66

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td></td>
<td>USD 4850</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td></td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td></td>
<td>USD 8850</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World