

Ceramic Matrix Composites (CMC) Market Analysis By Product (Oxide, Silicon Carbide (SiC), Carbon), By Application (Aerospace, Defense, Energy & Power, Electrical & Electronics) And Segment Forecasts To 2024

<https://marketpublishers.com/r/CECB6037E36EN.html>

Date: September 2016

Pages: 87

Price: US\$ 5,950.00 (Single User License)

ID: CECB6037E36EN

Abstracts

The global ceramic matrix composites (CMC) market is expected to reach USD 6.0 billion by 2024, according to a new report by Grand View Research, Inc. High thermal stability and electrical conductivity have made ceramic matrix composites desirable in various thermal management applications where high efficiency and weight to strength ratio is required. CMCs observe strong demand from aerospace, defense, energy & power, etc. applications.

Lower weight than conventional alloys with high strength and improved stability at a higher temperature has made the CMCs popular choice. They are subjected to constant research efforts that focus on the progressive increase in product life, strength and thermal stability.

The high cost of ceramic fibers has greatly influenced the market growth. Unlike the carbon fiber, which is used in most of the metal and polymer composites and thus is produced in bulk, other ceramic fibers are produced in small quantity which refrains it from the cost benefits of mass production. Ceramic matrix composites production being an energy-intensive process, it adds up to the final product cost, making it useful only in high-end applications such as aerospace, defense, thermal management, etc.

Further key findings from the report suggest:

Silicon carbide composites emerged as the major product segment and held 35.3% in of

total demand in 2015. Earlier development and commercialization along with better oxidation resistance properties have helped the product penetration.

Ceramic matrix composites demand from the aerospace application is expected to exceed 3.0 million tons by 2024. CMCs have been used for making airplane nose, fins, engine components, body panels, etc. on account of their high thermal resistance and lower weight than traditional alloys.

North America emerged as the dominant regional market with demand share estimated at 44.6% in 2015. High penetration in the region attributed to the significant growth of aerospace and defense industries with initial technological developments.

Asia Pacific ceramic matrix composites market is expected to witness an estimated growth of 14.3% from 2016 to 2024 in terms of value and is projected to be the fastest growing region over the forecast period. Increasing focus on the development of self-sustained defense and aerospace industries from China and India along with rising numbers of new power plants in the region is expected to trigger the regional market growth.

Leading companies operating in the global market include General Electric Company, 3M Company, CoorsTek, Inc., Applied Thin Films, Inc., CeramTec International, COI Ceramics, Inc., Ube Industries, Ltd. and SGL Carbon Company

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope & Assumptions
- 1.3 List of Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Global Ceramic Matrix Composites - Industry Summary & Key Buying Criteria

CHAPTER 3 CERAMIC MATRIX COMPOSITE INDUSTRY OUTLOOK

- 3.1 Market segmentation
- 3.2 Market size and growth prospects, 2015 - 2024
- 3.3 Ceramic matrix composite value chain analysis
 - 3.3.1 Vendor landscape
- 3.4 Technological Landscape
- 3.5 Regulatory framework
- 3.6 CMC market dynamics
 - 3.6.1 Market driver analysis
 - 3.6.1.1 Growing demand for lightweight & high performance materials
 - 3.6.1.2 Rising demand in defense applications
 - 3.6.2 Market restraint analysis
 - 3.6.2.1 High manufacturing cost
- 3.7 Key opportunities prioritized
- 3.8 Global Ceramic matrix composites competitive heat map analysis, 2014
- 3.9 Industry Analysis - Porter's
- 3.10 Ceramic matrix composites PESTEL analysis

CHAPTER 4 CERAMIC MATRIX COMPOSITES PRODUCT OUTLOOK

- 4.1 Global CMC market volume share by product, 2015 & 2024
- 4.2 Oxides
 - 4.2.1 Market estimates and forecast, 2014 - 2024
 - 4.2.2 Market estimates and forecast by region, 2014 - 2024
- 4.3 Silicon Carbide (SiC)
 - 4.3.1 Market estimates and forecast, 2014 - 2024

- 4.3.2 Market estimates and forecast by region, 2014 - 2024
- 4.4 Carbon
 - 4.4.1 Market estimates and forecast, 2014 - 2024
 - 4.4.2 Market estimates and forecast by region, 2014 - 2024
- 4.5 Others
 - 4.5.1 Market estimates and forecast, 2014 - 2024
 - 4.5.2 Market estimates and forecast by region, 2014 - 2024

CHAPTER 5 CERAMIC MATRIX COMPOSITES APPLICATION OUTLOOK

- 5.1 Global CMC market volume share by application, 2015 & 2024
- 5.2 Aerospace
 - 5.2.1 Market estimates and forecast, 2014 - 2024
 - 5.2.2 Market estimates and forecast by region, 2014 - 2024
- 5.3 Defense
 - 5.3.1 Market estimates and forecast, 2014 - 2024
 - 5.3.2 Market estimates and forecast by region, 2014 - 2024
- 5.4 Energy & Power
 - 5.4.1 Market estimates and forecast, 2014 - 2024
 - 5.4.2 Market estimates and forecast by region, 2014 - 2024
- 5.5 Electrical & electronics
 - 5.5.1 Market estimates and forecast, 2014 - 2024
 - 5.5.2 Market estimates and forecast by region, 2014 - 2024
- 5.6 Others
 - 5.6.1 Market estimates and forecast, 2014 - 2024
 - 5.6.2 Market estimates and forecast by region, 2014 - 2024

CHAPTER 6 CERAMIC MATRIX COMPOSITES REGIONAL OUTLOOK

- 6.1 Global CMC market volume share by region, 2015 & 2024
- 6.2 North America
 - 6.2.1 Market estimates and forecast, 2014 - 2024
 - 6.2.2 Market estimates and forecast by product, 2014 - 2024
 - 6.2.3 Market estimates and forecast by application, 2014 - 2024
 - 6.2.4 U.S.
 - 6.2.4.1 Market estimates and forecast, 2014 - 2024
 - 6.2.4.2 Market estimates and forecast by product, 2014 - 2024
 - 6.2.4.3 Market estimates and forecast by application, 2014 - 2024
- 6.3 Europe

- 6.3.1 Market estimates and forecast, 2014 - 2024
- 6.3.2 Market estimates and forecast by product, 2014 - 2024
- 6.3.3 Market estimates and forecast by application, 2014 - 2024
- 6.3.4 Germany
 - 6.3.4.1 Market estimates and forecast, 2014 - 2024
 - 6.3.4.2 Market estimates and forecast by product, 2014 - 2024
 - 6.3.4.3 Market estimates and forecast by application, 2014 - 2024
- 6.3.5 France
 - 6.3.5.1 Market estimates and forecast, 2014 - 2024
 - 6.3.5.2 Market estimates and forecast by product, 2014 - 2024
 - 6.3.5.3 Market estimates and forecast by application, 2014 - 2024
- 6.3.6 UK
 - 6.3.6.1 Market estimates and forecast, 2014 - 2024
 - 6.3.6.2 Market estimates and forecast by product, 2014 - 2024
 - 6.3.6.3 Market estimates and forecast by application, 2014 - 2024
- 6.4 Asia Pacific
 - 6.4.1 Market estimates and forecast, 2014 - 2024
 - 6.4.2 Market estimates and forecast by product, 2014 - 2024
 - 6.4.3 Market estimates and forecast by application, 2014 - 2024
 - 6.4.4 China
 - 6.4.4.1 Market estimates and forecast, 2014 - 2024
 - 6.4.4.2 Market estimates and forecast by product, 2014 - 2024
 - 6.4.4.3 Market estimates and forecast by application, 2014 - 2024
 - 6.4.5 India
 - 6.4.5.1 Market estimates and forecast, 2014 - 2024
 - 6.4.5.2 Market estimates and forecast by product, 2014 - 2024
 - 6.4.5.3 Market estimates and forecast by application, 2014 - 2024
 - 6.4.6 Japan
 - 6.4.6.1 Market estimates and forecast, 2014 - 2024
 - 6.4.6.2 Market estimates and forecast by product, 2014 - 2024
 - 6.4.6.3 Market estimates and forecast by application, 2014 - 2024
- 6.5 Middle East & Africa (MEA)
 - 6.5.1 Market estimates and forecast, 2014 - 2024
 - 6.5.2 Market estimates and forecast by product, 2014 - 2024
 - 6.5.3 Market estimates and forecast by application, 2014 - 2024
- 6.6 Central & South America (CSA)
 - 6.6.1 Market estimates and forecast, 2014 - 2024
 - 6.6.2 Market estimates and forecast by product, 2014 - 2024
 - 6.6.3 Market estimates and forecast by application, 2014 - 2024

CHAPTER 7 COMPETITIVE LANDSCAPE

7.1 3M Company

- 7.1.1 Company Overview
- 7.1.2 Financial Performance
- 7.1.3 Product Benchmarking
- 7.1.4 Strategic Initiatives

7.2 Applied Thin Films, Inc.

- 7.2.1 Company Overview
- 7.2.2 Financial Performance
- 7.2.3 Product Benchmarking

7.3 CeramTec International

- 7.3.1 Company Overview
- 7.3.2 Financial Performance
- 7.3.3 Product Benchmarking
- 7.3.4 Strategic Initiatives

7.4 COI Ceramics, Inc.

- 7.4.1 Company Overview
- 7.4.2 Financial Performance
- 7.4.3 Product Benchmarking

7.5 CoorsTek, Inc.

- 7.5.1 Company Overview
- 7.5.2 Financial Performance
- 7.5.3 Product Benchmarking
- 7.5.4 Strategic Initiatives

7.6 General Electric Company

- 7.6.1 Company Overview
- 7.6.2 Financial Performance
- 7.6.3 Product Benchmarking
- 7.6.4 Strategic Initiatives

7.7 Kyocera Corporation

- 7.7.1 Company Overview
- 7.7.2 Financial Performance
- 7.7.3 Product Benchmarking
- 7.7.4 Strategic Initiatives

7.8 Lancer Systems LP

- 7.8.1 Company Overview
- 7.8.2 Financial Performance

- 7.8.3 Product Benchmarking
- 7.8.4 Strategic Initiatives
- 7.9 SGL Carbon Company
 - 7.9.1 Company Overview
 - 7.9.2 Financial Performance
 - 7.9.3 Product Benchmarking
- 7.10 Starfire Systems, Inc.
 - 7.10.1 Company Overview
 - 7.10.2 Financial Performance
 - 7.10.3 Product Benchmarking
- 7.11 Ube Industries, Ltd.
 - 7.11.1 Company Overview
 - 7.11.2 Financial Performance
 - 7.11.3 Product Benchmarking
 - 7.11.4 Strategic Initiatives
- 7.12 Ultramet, Inc.
 - 7.12.1 Company Overview
 - 7.12.2 Financial Performance
 - 7.12.3 Product Benchmarking

List Of Tables

LIST OF TABLES

TABLE 1 Global ceramic matrix composites- Industry summary & key buying criteria

TABLE 2 Global ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 3 Global ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 4 Global ceramic matrix composites market volume estimates by region, 2014 - 2015 (Kilo Tons)

TABLE 5 Global ceramic matrix composites market volume estimates and forecasts by region, 2016 - 2024 (Kilo Tons)

TABLE 6 Global ceramic matrix composites market revenue estimates by region, 2014 - 2015 (USD Million)

TABLE 7 Global ceramic matrix composites market revenue estimates and forecasts by region, 2016 - 2024 (USD Million)

TABLE 8 Global ceramic matrix composites market volume estimates by product, 2014 - 2015 (Kilo Tons)

TABLE 9 Global ceramic matrix composites market volume estimates and forecasts by product, 2016 - 2024 (Kilo Tons)

TABLE 10 Global ceramic matrix composites market revenue estimates by product, 2014 - 2015 (USD Million)

TABLE 11 Global ceramic matrix composites market revenue estimates and forecasts by product, 2016 - 2024 (USD Million)

TABLE 12 Global ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 13 Global ceramic matrix composites market volume estimates and forecasts by application, 2016 - 2024 (Kilo Tons)

TABLE 14 Global ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 15 Global ceramic matrix composites market revenue estimates and forecasts by application, 2016 - 2024 (USD Million)

TABLE 16 Global metal matrix composite market vendor landscape

TABLE 17 Global oxides ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 18 Global oxides ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 19 Global oxides ceramic matrix composites market volume estimates by

region, 2014 - 2015 (Kilo Tons)

TABLE 20 Global oxides ceramic matrix composites market volume estimates and forecast by region, 2016 - 2024 (Kilo Tons)

TABLE 21 Global oxides ceramic matrix composites market revenue estimates by region, 2014 - 2015(USD Million)

TABLE 22 Global oxides ceramic matrix composites market revenue estimates and forecast by region, 2016 - 2024 (USD Million)

TABLE 23 Global SiC ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 24 Global SiC ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 25 Global SiC ceramic matrix composites market volume estimates by region, 2014 - 2015 (Kilo Tons)

TABLE 26 Global SiC ceramic matrix composites market volume estimates and forecast by region, 2016 - 2024 (Kilo Tons)

TABLE 27 Global SiC ceramic matrix composites market revenue estimates by region, 2014 - 2015 (USD Million)

TABLE 28 Global SiC ceramic matrix composites market revenue estimates and forecast by region, 2016 - 2024 (USD Million)

TABLE 29 Global carbon ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 30 Global carbon ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 31 Global carbon ceramic matrix composites market volume estimates by region, 2014 - 2015 (Kilo Tons)

TABLE 32 Global carbon ceramic matrix composites market volume estimates and forecast by region, 2016 - 2024 (Kilo Tons)

TABLE 33 Global carbon ceramic matrix composites market revenue estimates by region, 2014 - 2015(USD Million)

TABLE 34 Global carbon ceramic matrix composites market revenue estimates and forecast by region, 2016 - 2024 (USD Million)

TABLE 35 Global other ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 36 Global other ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 37 Global other ceramic matrix composites market volume estimates by region, 2014 - 2015 (Kilo Tons)

TABLE 38 Global other ceramic matrix composites market volume estimates and forecast by region, 2016 - 2024 (Kilo Tons)

TABLE 39 Global other ceramic matrix composites market revenue estimates by region, 2014 - 2015(USD Million)

TABLE 40 Global other ceramic matrix composites market revenue estimates and forecast by region, 2016 - 2024 (USD Million)

TABLE 41 Global ceramic matrix composites market estimates in aerospace, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 42 Global ceramic matrix composites market estimates and forecast in aerospace, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 43 Global ceramic matrix composites market volume estimates in aerospace by region, 2014 - 2015 (Kilo Tons)

TABLE 44 Global ceramic matrix composites market volume estimates and forecast in aerospace by region, 2016 - 2024 (Kilo Tons)

TABLE 45 Global ceramic matrix composites market revenue estimates in aerospace by region, 2014 - 2015 (USD Million)

TABLE 46 Global ceramic matrix composites market revenue estimates and forecast in aerospace by region, 2016 - 2024 (USD Million)

TABLE 47 Global ceramic matrix composites market estimates in defense, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 48 Global ceramic matrix composites market estimates and forecast in defense, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 49 Global ceramic matrix composites market volume estimates in defense by region, 2014 - 2015(Kilo Tons)

TABLE 50 Global ceramic matrix composites market volume estimates and forecast in defense by region, 2016 - 2024 (Kilo Tons)

TABLE 51 Global ceramic matrix composites market revenue estimates in defense by region, 2014 - 2015 (USD Million)

TABLE 52 Global ceramic matrix composites market revenue estimates and forecast in defense by region, 2016 - 2024 (USD Million)

TABLE 53 Global ceramic matrix composites market estimates in energy & power, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 54 Global ceramic matrix composites market estimates and forecast in energy & power, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 55 Global ceramic matrix composites market volume estimates in energy & power by region, 2014 - 2015 (Kilo Tons)

TABLE 56 Global ceramic matrix composites market volume estimates and forecast in energy & power by region, 2016 - 2024 (Kilo Tons)

TABLE 57 Global ceramic matrix composites market revenue estimates in energy & power by region, 2014 - 2015 (USD Million)

TABLE 58 Global ceramic matrix composites market revenue estimates and forecast in

energy & power by region, 2016 - 2024 (USD Million)

TABLE 59 Global ceramic matrix composites market estimates in electrical & electronics, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 60 Global ceramic matrix composites market estimates and forecast in electrical & electronics, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 61 Global ceramic matrix composites market volume estimates in electrical & electronics by region, 2014 - 2015 (Kilo Tons)

TABLE 62 Global ceramic matrix composites market volume estimates and forecast in electrical & electronics by region, 2016 - 2024 (Kilo Tons)

TABLE 63 Global ceramic matrix composites market revenue estimates in electrical & electronics by region, 2014 - 2015 (USD Million)

TABLE 64 Global ceramic matrix composites market revenue estimates and forecast in electrical & electronics by region, 2016 - 2024 (USD Million)

TABLE 65 Global ceramic matrix composites market estimates in other applications, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 66 Global ceramic matrix composites market estimates and forecast in other applications, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 67 Global ceramic matrix composites market volume estimates in other applications by region, 2014 - 2015 (Kilo Tons)

TABLE 68 Global ceramic matrix composites market volume estimates and forecast in other applications by region, 2016 - 2024 (Kilo Tons)

TABLE 69 Global ceramic matrix composites market revenue estimates in other applications by region, 2014 - 2015 (USD Million)

TABLE 70 Global ceramic matrix composites market revenue estimates and forecast in other applications by region, 2016 - 2024 (USD Million)

TABLE 71 North America ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 72 North America ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 73 North America ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 74 North America ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 75 North America ceramic matrix composites market revenue estimates by product, 2014 - 2015 (USD Million)

TABLE 76 North America ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 77 North America ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 78 North America ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 79 North America ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 80 North America ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 81 U.S. ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 82 U.S. ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 83 U.S. ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 84 U.S. ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 85 U.S. ceramic matrix composites market revenue estimates by product, 2014 - 2015 (USD Million)

TABLE 86 U.S. ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 87 U.S. ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 88 U.S. ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 89 U.S. ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 90 U.S. ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 91 Europe ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 92 Europe ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 93 Europe ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 94 Europe ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 95 Europe ceramic matrix composites market revenue estimates by product, 2014 - 2015 (USD Million)

TABLE 96 Europe ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 97 Europe ceramic matrix composites market volume estimates by application,

2014 - 2015 (Kilo Tons)

TABLE 98 Europe ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 99 Europe ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 100 Europe ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 101 Germany ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 102 Germany ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 103 Germany ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 104 Germany ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 105 Germany ceramic matrix composites market revenue estimates by product, 2014 - 2015 (USD Million)

TABLE 106 Germany ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 107 Germany ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 108 Germany ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 109 Germany ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 110 Germany ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 111 France ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 112 France ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 113 France ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 114 France ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 115 France ceramic matrix composites market revenue estimates byproduct, 2014 - 2015 (USD Million)

TABLE 116 France ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 117 France ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 118 France ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 119 France ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 120 France ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 121 UK ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 122 UK ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 123 UK ceramic matrix composites market volume estimates by product, 2014 - 2015 (Kilo Tons)

TABLE 124 UK ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 125 UK ceramic matrix composites market revenue estimates byproduct, 2014 - 2015 (USD Million)

TABLE 126 UK ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 127 UK ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 128 UK ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 129 UK ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 130 UK ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 131 Asia Pacific ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 132 Asia Pacific ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 133 Asia Pacific ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 134 Asia Pacific ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 135 Asia Pacific ceramic matrix composites market revenue estimates byproduct, 2014 - 2015 (USD Million)

TABLE 136 Asia Pacific ceramic matrix composites market revenue estimates and

forecast by product, 2016 - 2024 (USD Million)

TABLE 137 Asia Pacific ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 138 Asia Pacific ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 139 Asia Pacific ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 140 Asia Pacific ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 141 China ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 142 China ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 143 China ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 144 China ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 145 China ceramic matrix composites market revenue estimates by product, 2014 - 2015 (USD Million)

TABLE 146 China ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 147 China ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 148 China ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 149 China ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 150 China ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 151 India ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 152 India ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 153 India ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 154 India ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 155 India ceramic matrix composites market revenue estimates by product, 2014 - 2015 (USD Million)

TABLE 156 India ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 157 India ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 158 India ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 159 India ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 160 India ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 161 Japan ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 162 Japan ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 163 Japan ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 164 Japan ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 165 Japan ceramic matrix composites market revenue estimates byproduct, 2014 - 2015 (USD Million)

TABLE 166 Japan ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 167 Japan ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 168 Japan ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 169 Japan ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 170 Japan ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 171 MEA ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 172 MEA ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 173 MEA ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 174 MEA ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 175 MEA ceramic matrix composites market revenue estimates byproduct, 2014

- 2015 (USD Million)

TABLE 176 MEA ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 177 MEA ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 178 MEA ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 179 MEA ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 180 MEA ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

TABLE 181 CSA ceramic matrix composites market estimates, 2014 - 2015 (Kilo Tons) (USD Million)

TABLE 182 CSA ceramic matrix composites market estimates and forecast, 2016 - 2024 (Kilo Tons) (USD Million)

TABLE 183 CSA ceramic matrix composites market volume estimates byproduct, 2014 - 2015 (Kilo Tons)

TABLE 184 CSA ceramic matrix composites market volume estimates and forecast by product, 2016 - 2024 (Kilo Tons)

TABLE 185 CSA ceramic matrix composites market revenue estimates byproduct, 2014 - 2015 (USD Million)

TABLE 186 CSA ceramic matrix composites market revenue estimates and forecast by product, 2016 - 2024 (USD Million)

TABLE 187 CSA ceramic matrix composites market volume estimates by application, 2014 - 2015 (Kilo Tons)

TABLE 188 CSA ceramic matrix composites market volume estimates and forecast by application, 2016 - 2024 (Kilo Tons)

TABLE 189 CSA ceramic matrix composites market revenue estimates by application, 2014 - 2015 (USD Million)

TABLE 190 CSA ceramic matrix composites market revenue estimates and forecast by application, 2016 - 2024 (USD Million)

List Of Figures

LIST OF FIGURES

FIG. 1 CMC market segmentation

FIG. 2 Global CMC market estimates and forecast, 2014- 2024 (Kilo Tons) (USD Million)

FIG. 3 Ceramic matrix composite value chain analysis

FIG. 4 CMC market dynamics

FIG. 5 Key opportunities prioritized

FIG. 6 Industry analysis - Porter's analysis

FIG. 7 Global ceramic matrix composites PESTEL analysis

FIG. 8 Global ceramic matrix composites market volume share by product, 2015 & 2024

FIG. 9 Global ceramic matrix composites market volume share by application, 2015 & 2024

FIG. 10 Global ceramic matrix composites market volume share by region, 2015 & 2024

I would like to order

Product name: Ceramic Matrix Composites (CMC) Market Analysis By Product (Oxide, Silicon Carbide (SiC), Carbon), By Application (Aerospace, Defense, Energy & Power, Electrical & Electronics) And Segment Forecasts To 2024

Product link: <https://marketpublishers.com/r/CECB6037E36EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CECB6037E36EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970