

Global Carbon Composite Bolts and Nuts Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Carbon Composite Bolts and Nuts market size was valued at US\$ 646 million in 2025 and is forecast to a readjusted size of US\$ 876 million by 2032 with a CAGR of 4.5% during review period.

Carbon composite bolts and nuts are fastening components made from carbon composite materials. Carbon composites are typically composed of carbon fibers as the reinforcing agent, combined with a resin matrix (such as epoxy resin, phenolic resin, etc.) through specific processes. Carbon fibers possess excellent properties such as high strength, high modulus, and low density, while the resin matrix serves to bond the carbon fibers, transfer loads, and give shape to the composite. The shapes of the bolts and nuts are similar to traditional metal bolts and nuts, and they achieve connection and fastening functions through threaded engagement, which can be used to connect two or more components.

This report is a detailed and comprehensive analysis for global Carbon Composite Bolts and Nuts market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Carbon Composite Bolts and Nuts market size and forecasts, in consumption

value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Composite Bolts and Nuts market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Composite Bolts and Nuts market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Composite Bolts and Nuts market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Carbon Composite Bolts and Nuts

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Carbon Composite Bolts and Nuts market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CeraMaterials, Stanford Advanced Materials, Neftec, GraphiteInsulation, SGL Carbon, CM Carbon, Xuran New Materials Limited, CFCCARBON CO., LTD., Sinotek Materials Co., Ltd., CFC Design, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Carbon Composite Bolts and Nuts market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and

forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Compression Molding

Film Winding

Pultrusion Molding

Market segment by Application

Construction

Industrial

Aerospace

Others

Major players covered

CeraMaterials

Stanford Advanced Materials

Neftec

GraphiteInsulation

SGL Carbon

CM Carbon

Xuran New Materials Limited

CFCCARBON CO., LTD.

Sinotek Materials Co., Ltd.

CFC Design

Schmolke Carbon

Nippon Carbon

Toyo Tanso

Schunk

Xinghui New Material

JIN CHUANG NEW MATERIAL

VAN-RESEARCH INNOVATION

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Carbon Composite Bolts and Nuts product scope, market

overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Carbon Composite Bolts and Nuts, with price, sales quantity, revenue, and global market share of Carbon Composite Bolts and Nuts from 2021 to 2026.

Chapter 3, the Carbon Composite Bolts and Nuts competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Carbon Composite Bolts and Nuts breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Carbon Composite Bolts and Nuts market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Carbon Composite Bolts and Nuts.

Chapter 14 and 15, to describe Carbon Composite Bolts and Nuts sales channel, distributors, customers, research findings and conclusion.

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