

FRP Cross Arm Market: Trends, Opportunities and Competitive Analysis [2024-2030]

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Abstracts

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FRP Cross Arm Market Trends and Forecast

The future of the global FRP cross arm market looks promising with opportunities in power transmission, telecommunication and lighting. The global FRP cross arm market is expected to reach an estimated \$147 billion by 2030 with a CAGR of 3% from 2023 to 2030. The major growth driver in this market is the increasing replacement of old poles and cross arms with the new one in the developing countries.

Lucintel forecasts that, tangent is expected to be the largest type by value and volume due to its increasing use in composite, concrete, metal, and wood pole to support conductors along transmission and distribution lines. Tangent cross arm is expected to witness highest growth over the forecast period.

Power transmission and distribution will remain the largest application market by value and volume due to increase in investment for new power generation infrastructure and replacement of existing network. Telecommunication is expected to witness highest growth over the forecast period.

North America is expected to remain the largest region and APAC is expected to witness the highest growth

over the forecast period due to growing replacement activities in the developing countries like China and India

North America is expected to remain the largest region in the FRP Cross Arm Market

1. United States: Companies like Valmont Industries and Hubbell Power Systems are driving innovations in FRP cross arms. Initiatives such as the Grid Modernization Initiative promote the use of advanced materials in electrical infrastructure. The US government supports research and development in the utility sector through agencies like the Department of Energy (DOE).

2. China: Chinese manufacturers, including Jiangsu Milky Way Steel Poles Co., Ltd. and Zhejiang Shengda Steel Tower Co., Ltd., dominate the global FRP cross arm market. Government initiatives promoting grid expansion and modernization drive market growth. The Chinese Ministry of Industry and Information Technology sets standards and regulations for electrical infrastructure materials.

3. Germany: German companies like Fischer Connectors and Leoni AG are pioneers in FRP cross arm technology. Government initiatives promoting renewable energy integration and grid reliability drive market expansion. The German Federal Ministry for Economic Affairs and Energy supports initiatives for innovation and competitiveness in the energy sector.

4. India: Indian manufacturers, including Sterlite Power and KEC International, are key players in the FRP cross arm market. Government initiatives such as the Integrated Power Development Scheme (IPDS) aim to strengthen power distribution infrastructure. The Indian Ministry of Power oversees regulations and standards for electrical equipment.

5. Brazil: Brazilian companies like WEG and ENGEPOWER are investing in FRP cross arm production. Government initiatives promoting grid expansion and rural electrification drive market growth. The Brazilian Ministry of Mines and Energy oversees regulations and policies for the electrical sector.

Emerging Trends in the FRP Cross Arm Market

Emerging trends, which have a direct impact on the dynamics of the FRP cross arm

market, includes the rising demand for customized utility pole cross arms, and demand for fire and UV resistance FRP cross arms.

A total of 72 figures / charts and 51 tables are provided in this 133-page report to help in your business decisions. A sample figure with insights is shown below.

FRP Cross Arm Market by Segment

The study includes a forecast for the global FRP cross arm by application, type, and region as follows:

By Application [Value (\$B) and Volume (Thousand Units) Shipment Analysis for 2018 – 2030]:

Power Transmission and Distribution

Telecommunication

Lighting and Others

By Type [Value (\$B) and Volume (Thousand Units) Shipment Analysis for 2018 – 2030]:

Tangent Cross Arms

Deadend Cross Arms

By Region [Value (\$B) and Volume (Thousand Units) Shipment Analysis for 2018 – 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of FRP Cross Arm Market Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies FRP cross arm market companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the FRP cross arm market companies profiled in this report include.

Geotek Inc

Valmont Industries

Creative Composites Group

Liberty Pultrusions

RS Technologies Inc.

Recent Developments in the FRP Cross Arm Market

1. **Growing Demand for Lightweight and Corrosion-Resistant Solutions:** The FRP cross arm market is witnessing steady growth due to increasing demand for lightweight and corrosion-resistant alternatives to traditional materials like wood and steel in utility pole applications.
2. **Expansion of Utility Infrastructure Projects:** With the rise in infrastructure development projects, particularly in the energy and telecommunications sectors, there is a growing need for durable and low-maintenance components like FRP cross arms. This trend is expected to drive the demand for FRP products in the coming years.
3. **Technological Advancements in FRP Manufacturing:** Companies are investing in research and development to enhance the performance and manufacturing efficiency of FRP cross arms. Innovations such as advanced composite materials, automated production processes, and quality control measures are contributing to the market's evolution.

4. Focus on Sustainability and Environmental Benefits: The environmental advantages of FRP materials, including reduced carbon footprint, recyclability, and longevity, are driving their adoption in the utility sector. Utility companies are increasingly prioritizing sustainable solutions to meet regulatory requirements and corporate sustainability goals.

5. Regulatory Support for Composite Materials: Governments and regulatory bodies are implementing policies and standards that encourage the use of composite materials like FRP in utility infrastructure. These initiatives aim to promote innovation, safety, and efficiency in the construction and maintenance of utility networks.

Features of FRP Cross Arm Market

Market Size Estimates: FRP cross arm market size estimation in terms of value (\$B) and (thousands units) by volume.

Trend and Forecast Analysis: Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

Segmentation Analysis: Market size by application, type, and region

Regional Analysis: FRP cross arm market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different application, type, and regions for the FRP cross arm market.

Strategic Analysis: This includes M&A, for the FRP cross arm market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the FRP Cross Arm market size?

Answer: The global FRP cross arm market is expected to reach an estimated \$147 billion by 2030.

Q2. What is the growth forecast for FRP Cross Arm Market?

Answer: The FRP cross arm market is expected to grow at a CAGR of 3% from 2023 to 2030.

Q3. What are the major drivers influencing the growth of the FRP Cross Arm Market?

Answer: The major growth driver in this market is the increasing replacement of old poles and cross arms with the new one in the developing countries.

Q4. What are the major applications industries for FRP Cross Arm Market?

Answer: Power transmission and distribution, telecommunication, and lighting and others are the major application for FRP cross arm market.

Q5. What are the emerging trends in FRP Cross Arm Market?

Answer: Emerging trends, which have a direct impact on the dynamics of the FRP cross arm industry, include the rising demand for customized utility pole cross arms, and increasing demand for fire and UV resistance FRP cross arms.

Q6. What are the key FRP Cross Arm Market companies?

Answer: Some of the key FRP cross arm market companies are as follows:

Geotek Inc

Valmont Industries

Creative Composites Group

Liberty Pultrusion

RS Technologies Inc

Q7. Which FRP Cross Arm Market type segment will be the largest in future?

Answer: Lucintel forecasts that tangent cross arm type market will remain the largest segment and it is expected to witness the highest growth over the forecast period due to its increasing use in composite, concrete, metal, and wood pole support conductors along transmission and distribution lines.

Q8: In FRP Cross Arm Market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to remain the largest region and witness the highest growth over next 5 years

Q9: Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high growth opportunities for the global FRP cross arm market by application (power transmission and distribution, telecommunication and lighting and others), type (tangent cross arm and deadend cross arm), by region (North America, Europe, Asia Pacific, and Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which regions 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 to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the 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 being

implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to FRP cross arm market or related to FRP cross arm companies, FRP cross arm market size, FRP cross arm market share, FRP cross arm analysis, FRP cross arm, cross arm for FRP pole, composite cross arm, tangent FRP cross arm, deadend FRP cross arm, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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