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Global Automated Fiber Placement System for Wind Energy 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 Automated Fiber Placement System for Wind Energy market size was valued at US$ 1132 million in 2025 and is forecast to a readjusted size of US$ 2277 million by 2032 with a CAGR of 10.7% during review period.

Automated Fiber Placement System for Wind Energy is an advanced composite manufacturing system designed for wind turbine blades and large load-bearing composite structures. By integrating multi-axis coordinated motion, high-precision control, and automated fiber handling, it enables continuous, accurate fiber placement and directional layup on complex geometries. Its advantages include high layup accuracy, high material utilization, and strong structural consistency, making it well suited to the trend toward larger and more industrialized wind energy manufacturing. In 2025, the industry?s capacity utilization rate was about 50%, and the average gross margin was approximately 35%. In 2025, production reached 500 units at an average price of US$2.2 million per unit. Upstream, the supply chain mainly involves high-precision servo motors and linear guide systems, with representative suppliers including Siemens, Bosch Rexroth, THK, and HIWIN. The midstream focuses on system integration, motion control tuning, placement head design, and process optimization, which together determine system accuracy and operational stability. Downstream applications are mainly concentrated in offshore wind power and onshore wind power, with representative customers including Vestas, Siemens Gamesa, GE Vernova, Goldwind, and MingYang Smart Energy.

This report is a detailed and comprehensive analysis for global Automated Fiber Placement System for Wind Energy market. Both quantitative and qualitative analyses

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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 Automated Fiber Placement System for Wind Energy market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Automated Fiber Placement System for Wind Energy market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Automated Fiber Placement System for Wind Energy market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Automated Fiber Placement System for Wind Energy market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 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 Automated Fiber Placement System for Wind Energy

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 Automated Fiber Placement System for Wind Energy market based on the following parameters - company overview, sales

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quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Fives Group, Ingersoll Machine Tools, MTorres, Coriolis Composites, Mikrosam, Trelleborg, AFPT GmbH, Accudyne Systems, Coexpair s.a., COMAC, etc.

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

Market Segmentation

Automated Fiber Placement System for Wind Energy 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

Gantry-Type AFP Machine

Robotic Arm AFP Machine

Market segment by Tows

4-Tow AFP Machine

8-Tow AFP Machine

16-Tow AFP Machine

Others

Market segment by Heating

Infrared Heated AFP Machine

Laser Heated AFP Machine

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Others

Market segment by Application

Offshore Wind Power

Onshore Wind Power

Major players covered

Fives Group

Ingersoll Machine Tools

MTorres

Coriolis Composites

Mikrosam

Trelleborg

AFPT GmbH

Accudyne Systems

Coexpair s.a.

COMAC

Shanghai Electric

Electroimpact

Broetje-Automation

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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 Automated Fiber Placement System for Wind Energy product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automated Fiber Placement System for Wind Energy, with price, sales quantity, revenue, and global market share of Automated Fiber Placement System for Wind Energy from 2021 to 2026.

Chapter 3, the Automated Fiber Placement System for Wind Energy competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automated Fiber Placement System for Wind Energy 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

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to 2026.and Automated Fiber Placement System for Wind Energy 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 Automated Fiber Placement System for Wind Energy.

Chapter 14 and 15, to describe Automated Fiber Placement System for Wind Energy sales channel, distributors, customers, research findings and conclusion.

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