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Global Automated Fiber Placement System for Wind Energy Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Automated Fiber Placement System for Wind Energy market size is expected to reach $ 2277 million by 2032, rising at a market growth of 10.7% CAGR during the forecast period (2026-2032).

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 studies the global Automated Fiber Placement System for Wind Energy production, demand, key manufacturers, and key regions.

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This report is a detailed and comprehensive analysis of the world market for Automated Fiber Placement System for Wind Energy and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automated Fiber Placement System for Wind Energy that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automated Fiber Placement System for Wind Energy total production and demand, 2021-2032, (Units)
Global Automated Fiber Placement System for Wind Energy total production value, 2021-2032, (USD Million)
Global Automated Fiber Placement System for Wind Energy production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)
Global Automated Fiber Placement System for Wind Energy consumption by region & country, CAGR, 2021-2032 & (Units)
U.S. VS China: Automated Fiber Placement System for Wind Energy domestic production, consumption, key domestic manufacturers and share
Global Automated Fiber Placement System for Wind Energy production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)
Global Automated Fiber Placement System for Wind Energy production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)
Global Automated Fiber Placement System for Wind Energy production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Automated Fiber Placement System for Wind Energy market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automated Fiber Placement System for Wind Energy

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Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automated Fiber Placement System for Wind Energy Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automated Fiber Placement System for Wind Energy Market, Segmentation by Type:

Gantry-Type AFP Machine

Robotic Arm AFP Machine

Global Automated Fiber Placement System for Wind Energy Market, Segmentation by Tows:

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4-Tow AFP Machine

8-Tow AFP Machine

16-Tow AFP Machine

Others

Global Automated Fiber Placement System for Wind Energy Market, Segmentation by Heating:

Infrared Heated AFP Machine

Laser Heated AFP Machine

Others

Global Automated Fiber Placement System for Wind Energy Market, Segmentation by Application:

Offshore Wind Power

Onshore Wind Power

Companies Profiled:

Fives Group

Ingersoll Machine Tools

MTorres

Coriolis Composites

Mikrosam

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Trelleborg

AFPT GmbH

Accudyne Systems

Coexpair s.a.

COMAC

Shanghai Electric

Electroimpact

Broetje-Automation

Addcomposites

Key Questions Answered:

1. How big is the global Automated Fiber Placement System for Wind Energy market?
2. What is the demand of the global Automated Fiber Placement System for Wind Energy market?
3. What is the year over year growth of the global Automated Fiber Placement System for Wind Energy market?
4. What is the production and production value of the global Automated Fiber Placement System for Wind Energy market?
5. Who are the key producers in the global Automated Fiber Placement System for Wind Energy market?
6. What are the growth factors driving the market demand?

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