

# Global Carbon Fiber Folding Propeller 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 Fiber Folding Propeller market size was valued at US\$ 320 million in 2025 and is forecast to a readjusted size of US\$ 537 million by 2032 with a CAGR of 6.0% during review period.

In 2025, global Carbon Fiber Folding Propeller production reached approximately 1,480 k units?with an average global market price of around US\$ 210 per unit, and a gross profit margin of approximately 20%-40%. Carbon Fiber Folding Propellers are composite propeller assemblies with hinged blades that fold backward when the motor stops or during handling, improving portability and reducing damage risk. Made from carbon-fiber reinforced materials, they offer high stiffness, low deformation at higher RPM, and good fatigue resistance, helping maintain thrust efficiency and reduce vibration. The folding hub mechanism allows quick deployment, compact storage, and safer transport for multirotor and VTOL platforms. Key design factors include hinge reliability, balance consistency, blade airfoil geometry, and hub interface compatibility to ensure stable performance across repeated start-stop cycles. The industrial chain of Carbon Fiber Folding Propellers includes upstream carbon fiber yarn/fabric, resin systems, prepregs, core materials, metal hubs, hinge pins, bushings, springs, fasteners, molds, release agents, surface coatings, and balancing weights. Midstream processes cover aerodynamic and structural design, layup planning, molding and curing, trimming and machining, hinge and hub assembly, torque and clearance control, surface finishing, static/dynamic balancing, and strength and fatigue testing. Downstream demand comes from UAV OEMs, VTOL integrators, aftermarket replacement channels, and operators in agriculture, surveying, public safety, logistics, and industrial inspection. Supporting services include customization, quality traceability, and after-sales warranty.

This report is a detailed and comprehensive analysis for global Carbon Fiber Folding Propeller 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 Fiber Folding Propeller market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Carbon Fiber Folding Propeller market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Carbon Fiber Folding Propeller market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Carbon Fiber Folding Propeller market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Carbon Fiber Folding Propeller

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 Fiber Folding Propeller 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 HOBBYWING, T-MOTOR, XOAR,

MAD Components, Meizlik Propellers, Peszke, Dualsky, GEMFAN, aero-naut Modellbau, HAWKTech, etc.

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

## **Market Segmentation**

Carbon Fiber Folding Propeller 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

Standard Type

Push Type

### Market segment by Diameter

Diameter: ?15 Inches

Diameter: 15-25 Inches

Diameter: ?25 Inches

### Market segment by Application

UAVs

eVTOL

Others

## Major players covered

HOBBYWING

T-MOTOR

XOAR

MAD Components

Mejzlik Propellers

Peszke

Dualsky

GEMFAN

aero-naut Modellbau

HAWKTech

Maytech

Rayiaero

## 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 Fiber Folding Propeller product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Carbon Fiber Folding Propeller, with price, sales quantity, revenue, and global market share of Carbon Fiber Folding Propeller from 2021 to 2026.

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

Chapter 4, the Carbon Fiber Folding Propeller 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 Fiber Folding Propeller 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 Fiber Folding Propeller.

Chapter 14 and 15, to describe Carbon Fiber Folding Propeller sales channel, distributors, customers, research findings and conclusion.

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