Hengshui Aohong Technology Co.,Ltd.

AOHONG —

Custom Carbon Fiber Parts Manufacturing

Your Trusted Supply Chain Partner in China!

17+
YEARS

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Our carbon fiber products and custom services

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Part One

Product Introduction

Carbon Fiber Tubes, Carbon Fiber rods, Carbon Fiber Sheets, Carbon Fiber Fabric, Carbon Fiber Prepreg, Pultruded Carbon Fiber Profiles, carbon fiber CNC machining.

Product Introduction

Carbon Fiber Tubes

Lightweight yet extremely strong structural components with high torsional rigidity. Ideal for aerospace, robotics and sporting goods applications. Available in various diameters and wall thicknesses with customizable surface finishes.

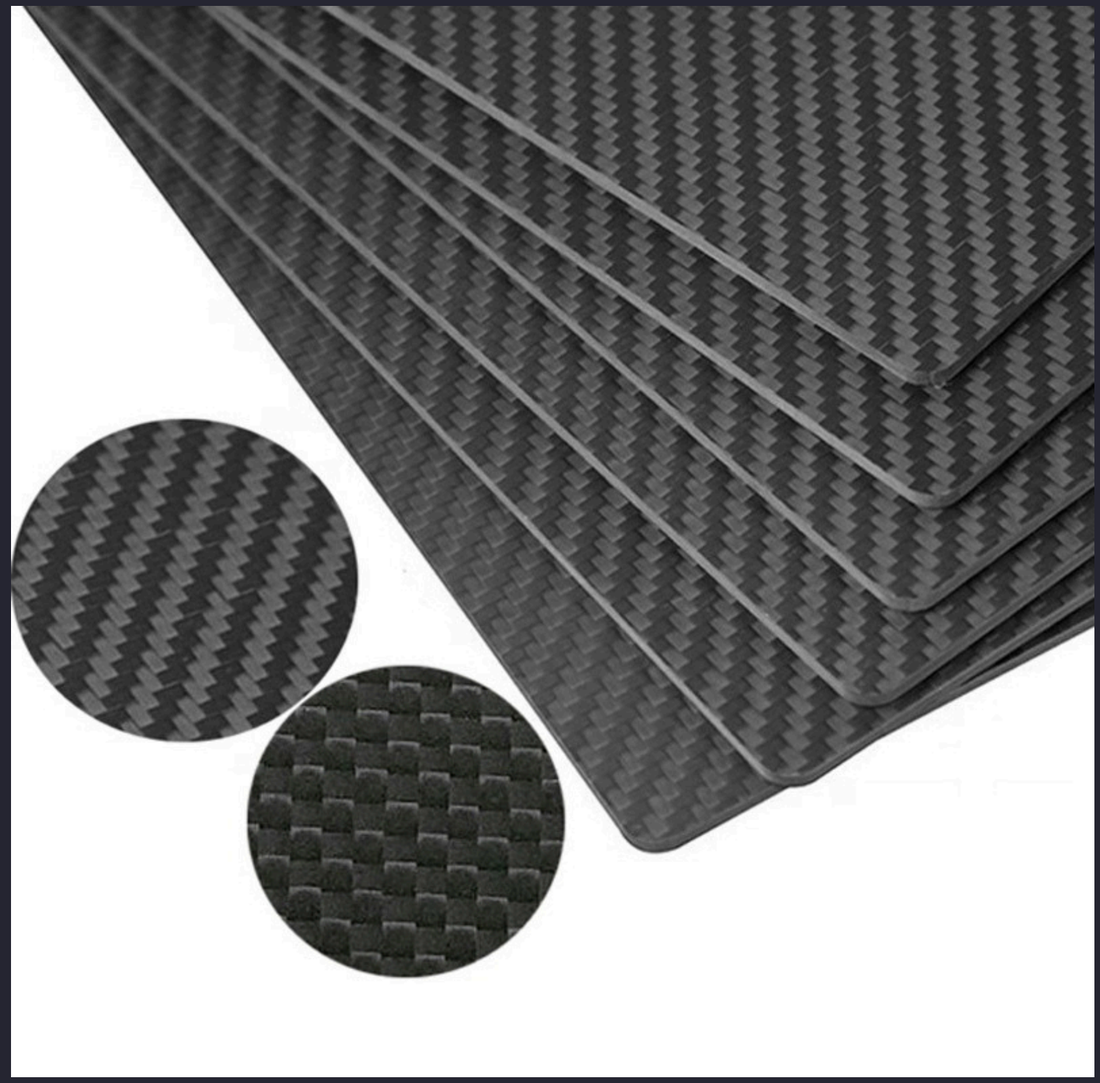
Years	Employees	Customers
17+	**100+**	**1,000+**

Product Introduction

Carbon Fiber Sheets

Thin, rigid panels offering exceptional flatness and impact resistance. Perfect for electronic enclosures, automotive trim and architectural elements. Standard thicknesses from 0.5mm to 50mm with optional textured surfaces.

Years	Employees	Customers
17+	**100+**	**1,000+**

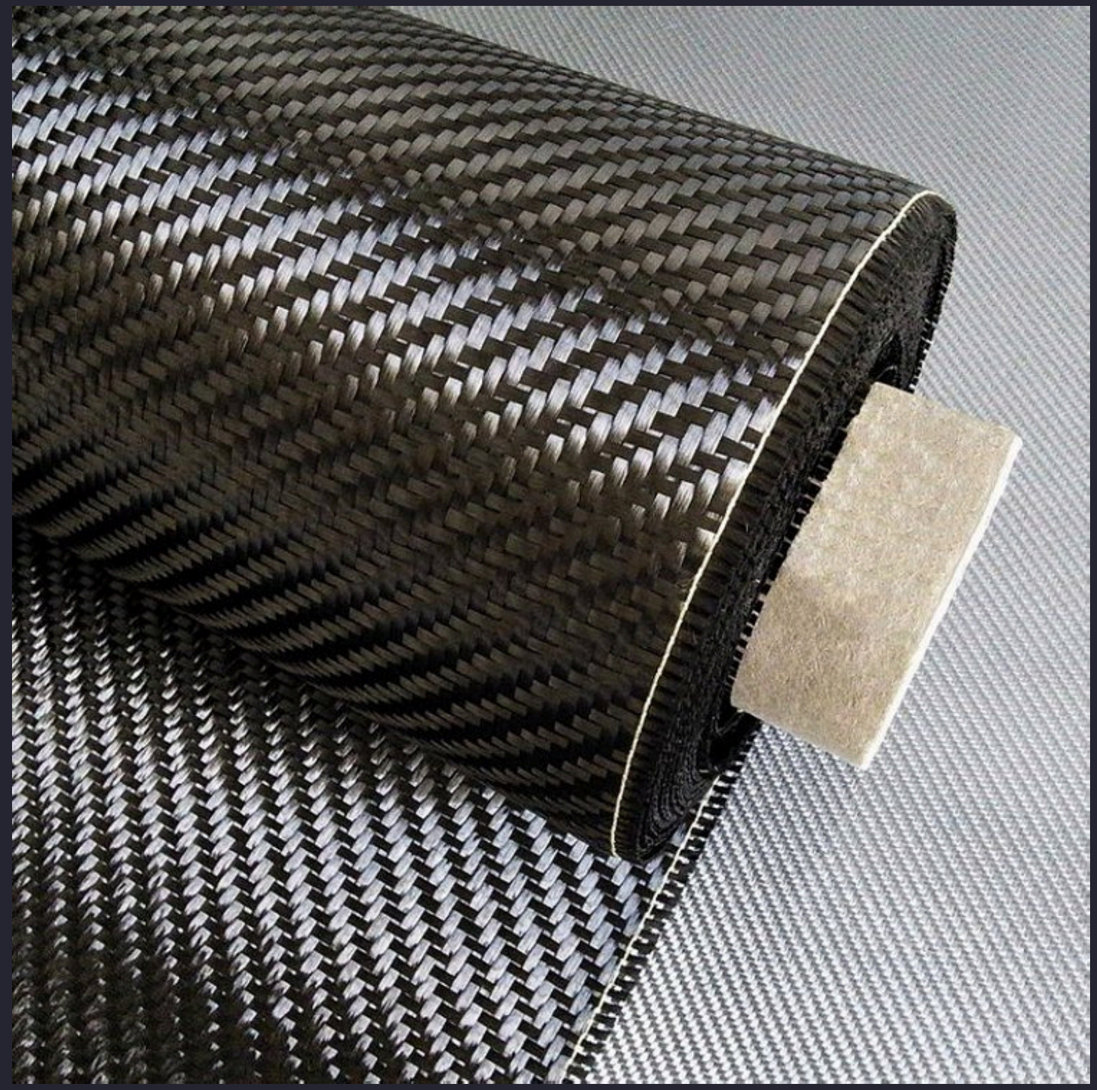


Product Introduction

Fabric

Carbon Fiber Fabric

Woven reinforcement material for composite layup processes. Multiple weave patterns (plain, twill, satin) available with different fiber counts. Used in mold-making, repair patches and custom laminate structures.

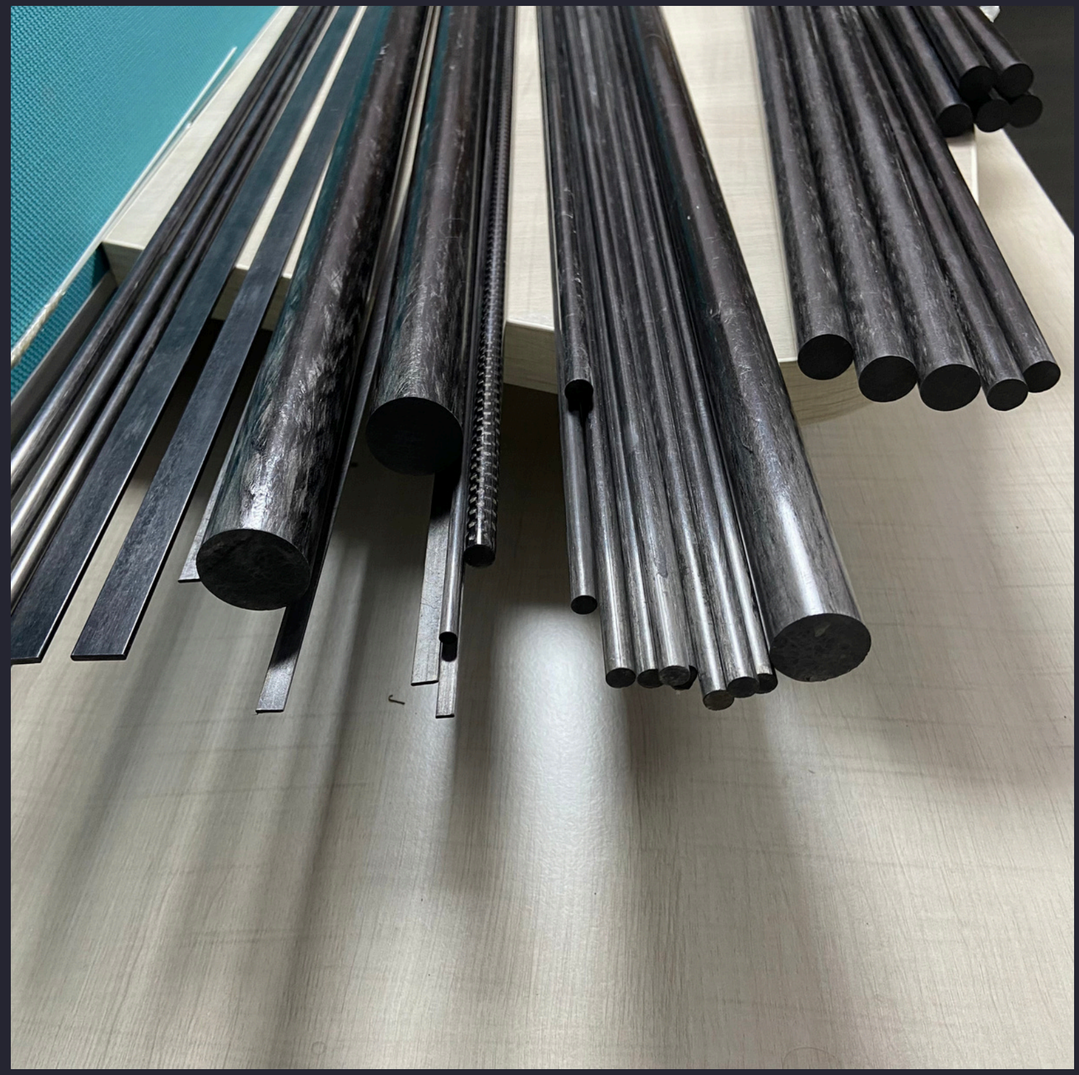


Years	Employees	Customers
17+	**100+**	**1,000+**

Product Introduction

Carbon Fiber Rods

High stiffness-to-weight ratio cylindrical profiles for precision applications. Used in RC models, medical devices and industrial automation systems. Can be manufactured with specific fiber orientations for optimized performance.



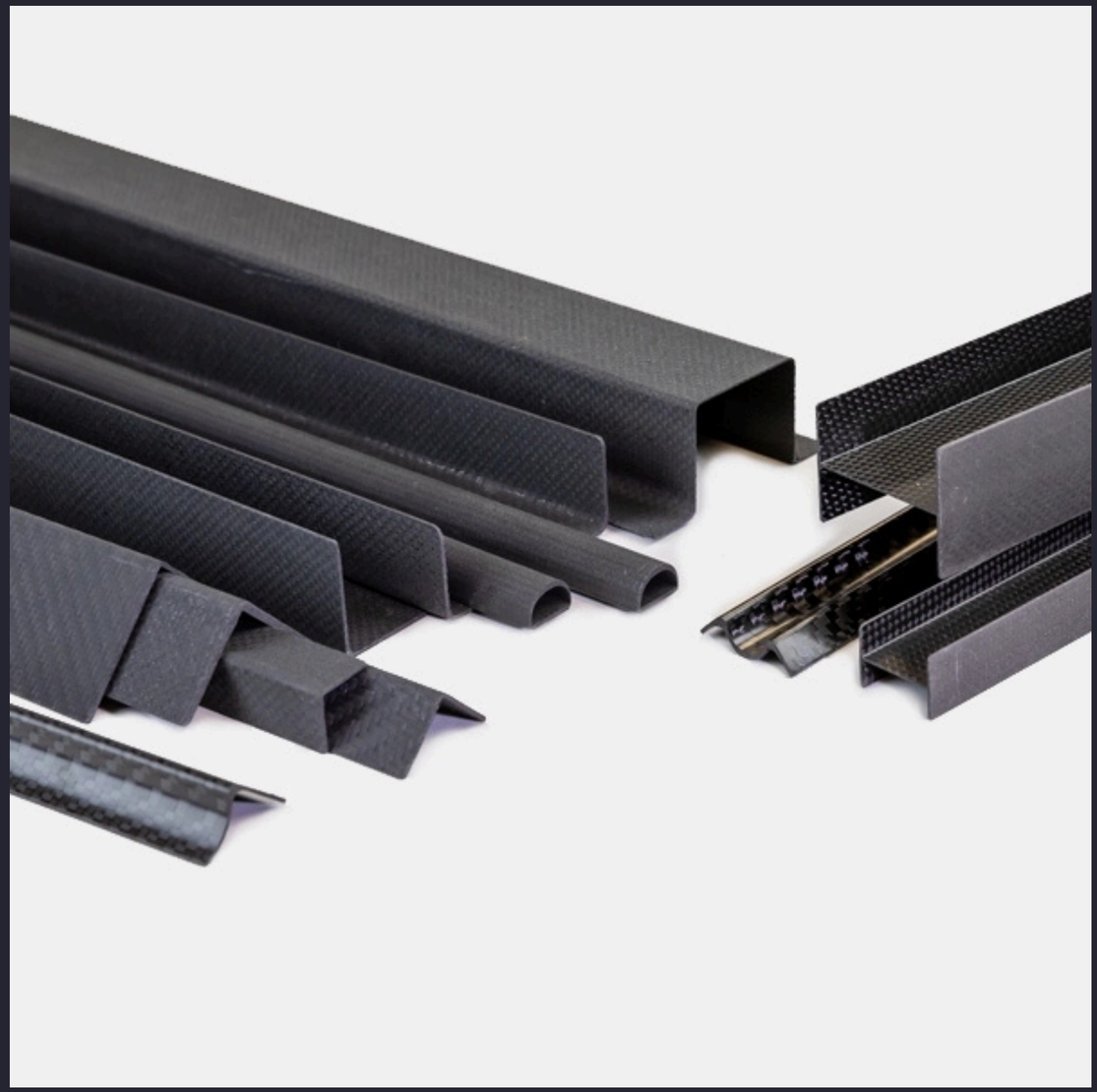
Years	Employees	Customers
17+	100+	1,000+

Product Introduction

Carbon Fiber Profiles

Continuous production method creates consistent cross-sections with unidirectional strength. Cost-effective solution for railings, trusses and structural supports. UV-resistant versions available for outdoor applications.

Years	Employees	Customers
17+	**100+**	**1,000+**



Product Introduction

Carbon Fiber CNC Machining

Precision milling/drilling services for finished carbon components. Specialized tooling prevents delamination and fiber pull-out. Produces tight-tolerance parts with polished edges for end-use applications.

Years	Employees	Customers
17+	**100+**	**1,000+**

Part Two

Main advantages

1. Exceptional Strength-to-Weight Ratio: Carbon fiber offers higher tensile strength than steel at just a fraction of the weight, making it ideal for aerospace and automotive applications.
2. Corrosion & Fatigue Resistance: Unlike metals, it resists rust, chemicals, and structural degradation over time, ensuring long-term durability in harsh environments.
3. Design Flexibility: Can be molded into complex shapes with tailored stiffness and thermal properties, enabling innovative engineering solutions.

Main advantages

Carbon fiber materials

Our advantages

As a 17+ year veteran manufacturer specializing in carbon fiber production and global trade, we deliver premium-grade materials trusted by clients worldwide. Our products combine aerospace-grade strength (up to 500 GPa modulus) with 60% weight savings versus steel, featuring:

- Superior durability: Corrosion/chemical resistance for harsh environments
- Precision engineering: Customizable fiber orientations and resin systems
- Strict QC: ISO-certified production with batch traceability

With 500+ successful OEM/industrial projects, we bridge innovation and reliability – from automotive to medical applications.

Years	Global Clients	On-Time Delivery Rate	Precision Tolerance
17+	**500+**	**99.7%**	**0.1mm**

Part Three
Application

1. Aviation & Defense: Our aerospace-grade carbon fiber reduces aircraft weight by 30% while meeting stringent AS9100 standards for structural components.
2. High-Tech Mobility: EV manufacturers trust our crash-resistant carbon fiber for battery enclosures and chassis to extend range without compromising safety.
3. Industrial Innovation: From wind turbine blades to robotic arms, our materials deliver 50% higher fatigue resistance than traditional composites in harsh environments.

产品应用场景

Application scenarios - 1

Mechanical Engineering

Precision-engineered carbon fiber robotic arms deliver unmatched stiffness-to-weight ratios for industrial automation.

Aerospace

Our aerospace-grade carbon fiber reduces aircraft weight by 40% while meeting stringent flame-retardant and structural requirements.

Automotive Industry

High-strength carbon fiber components enable 30% weight reduction in EVs without compromising crash safety performance.

产品应用场景

Application scenarios - 2

Power Systems

Lightning-resistant carbon fiber composite insulators outperform traditional materials in high-voltage transmission lines.

Architectural Structures

Seismic-resistant carbon fiber reinforcement systems extend building lifespans by 50+ years in harsh environments.

Sports Equipment

Olympic-certified carbon fiber golf clubs and bicycle frames optimize energy transfer for peak athletic performance

Aohong—

Thank you for exploring our carbon fiber solutions

Request a free quote for custom carbon fiber parts manufacturing today and experience factory-direct quality, rapid prototyping, and precision CNC machining.

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