
Revolve CF
REVOLVE
CF

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Revolve CF

PART 01

Suzhou Revolve CF New Material CO., Ltd

About us

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PART 01

Company Profile



Founded in 2012, we focus on the R&D and manufacturing of carbon fiber composite materials, with a 23,000㎡ production base and 160+ professional technical teams.

In 2022, we opened release film and release paper factories to expand the layout of the new materials industry.

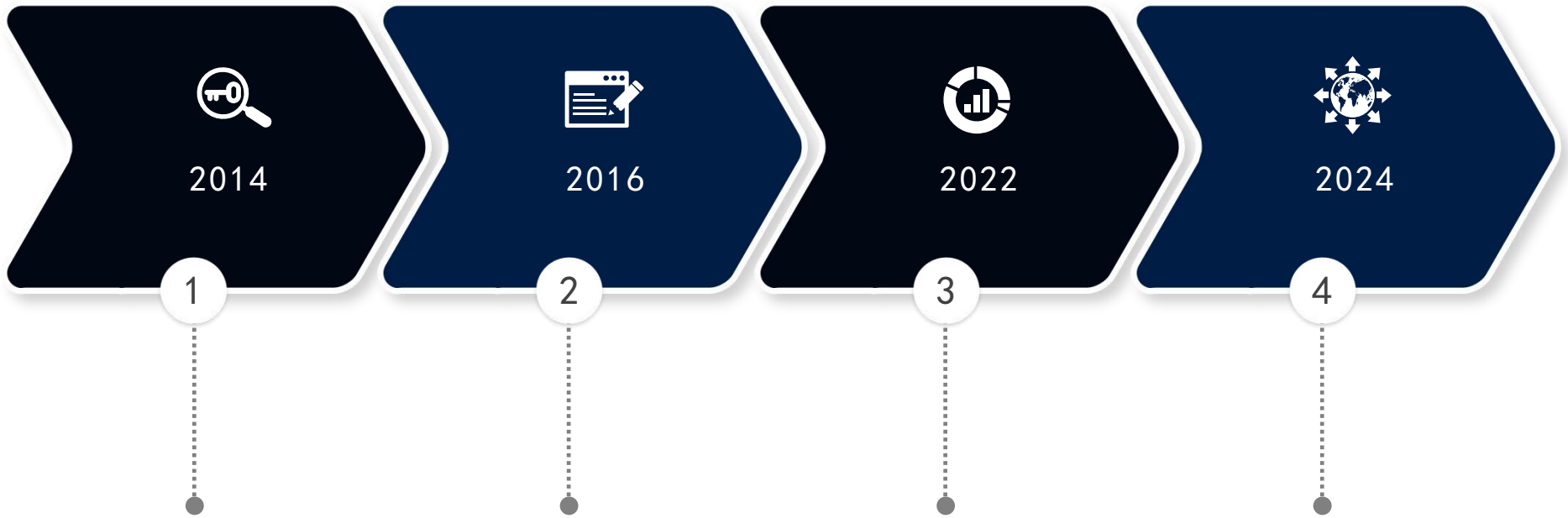




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PART 01

Development History



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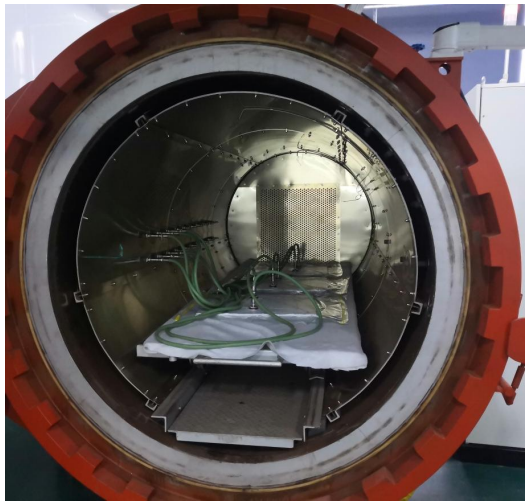
Factory Equipment



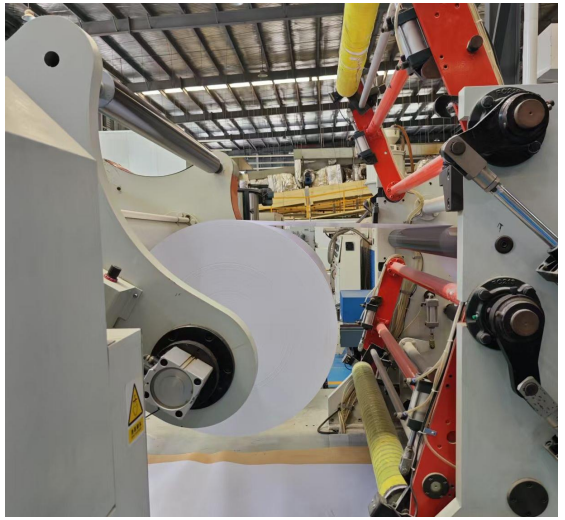
Molding Machine



Vulcanizing machine



Autoclave



Laminating Machine

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Test Equipment



100kN Universal testing machines



Differential scanning calorimetry（DSC）



Pyrolysis gas chrogams



X-ray fluorescence spectrometer(XRF)



Viscometer



Nanoscale ceramic three roller mill



Charpy Impact Testers



Fume Hood



Forced air ovens

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Typical cooperation cases



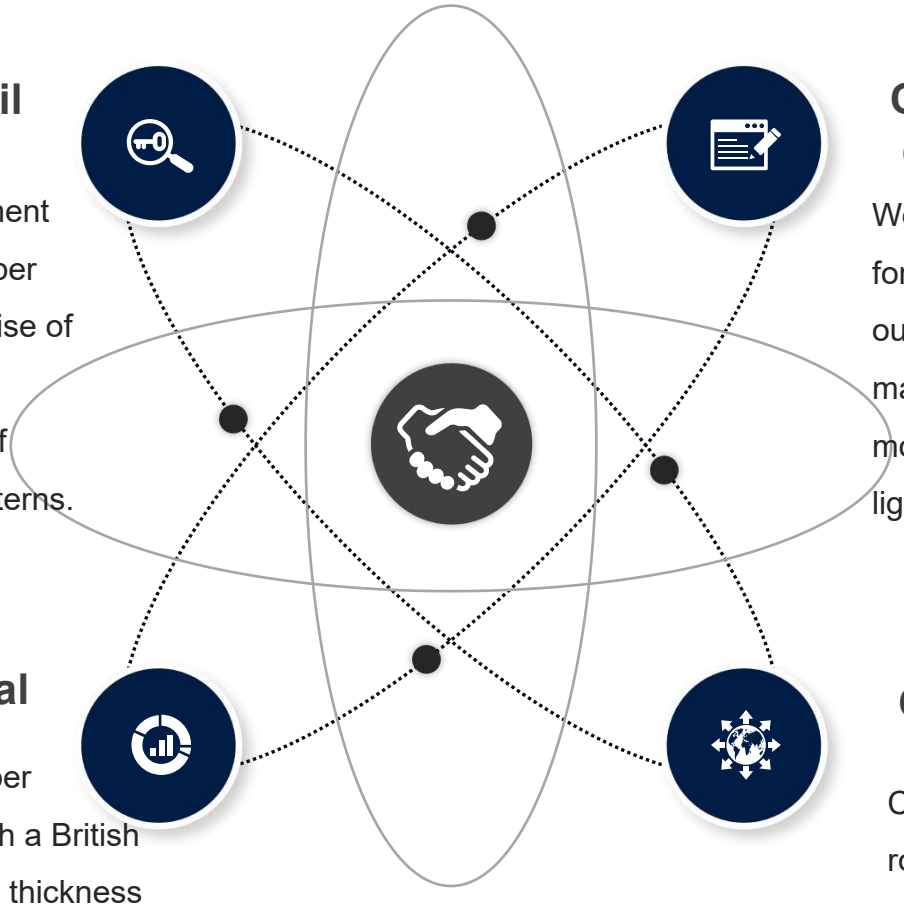
Carbon fiber hydrofoil

Cooperate with a well-known American water sports equipment company to develop carbon fiber hydrofoil boards. On the premise of achieving lightweight, we also designed patented shark-proof sprays such as sea snake patterns.



Carbon fiber medical devices

Jointly developed a carbon fiber orthopedic operating table with a British medical device company. The thickness error of the carbon fiber sheet/tube is ±0.05mm, realizing mold-based mass production.



Carbon fiber outdoor camping equipment

We design and process carbon fiber for world-renowned high-end outdoor camping equipment brands, making awning poles, tent stands, moon chairs, and fishing rod lightweight and customizable.



Carbon fiber intelligent robot accessories

Customized carbon fiber intelligent robot parts for Korean manufacturers to replace steel, aluminum and other metals as the core support parts.



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Advantages

In pursuit of ultimate performance and sustainable innovation

Revolve CF is your trusted partner in carbon fiber technology.

Quick response, quality service

We provide 24-hour multilingual technical support and respond to your needs in real time through multiple channels such as email, WhatsApp, LinkedIn, etc.

Easy ordering, one-click customization

Standard products will be shipped within 5 working days. For customized products, samples will be shipped within 15-20 working days after the mold fee is paid.

Source traceability, quality assurance

If any abnormality occurs with the product, customers can retrieve complete production data through the unique traceability code, providing an extra-long warranty period.

Efficient transportation, global coverage

We can provide a variety of logistics services (sea freight / air freight / international express), and customers can also specify logistics providers. We will recommend the best solution based on the weight and timeliness of the goods.

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Suzhou Revolve CF New Material CO., Ltd

Product Introduction

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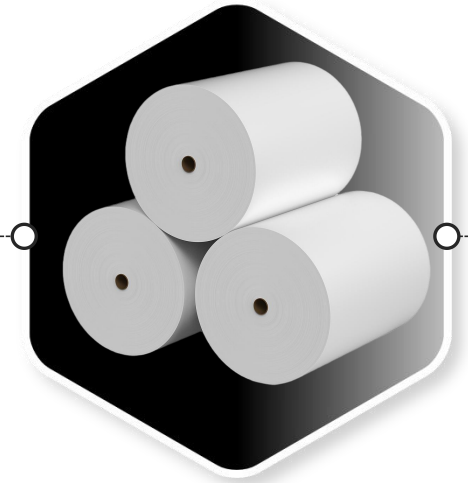
PART 02

Product Introduction



1.Carbon fiber raw materials and semi-finished products

- Carbon fiber woven fabric
- Carbon fiber tube
- Carbon fiber rod
- Carbon fiber sheet



2.Release paper and release film

- Glassine release paper
- Laminated release paper
- Plastic-free release paper
- CCK release paper
- Degradable laminated release paper
- PET release film



3.Carbon fiber products

- Carbon fiber sports equipment
- Carbon fiber outdoor camping equipment
- Carbon fiber medical equipment parts
- Carbon fiber bicycle accessories
- Industrial equipment parts
- Other customized carbon fiber products



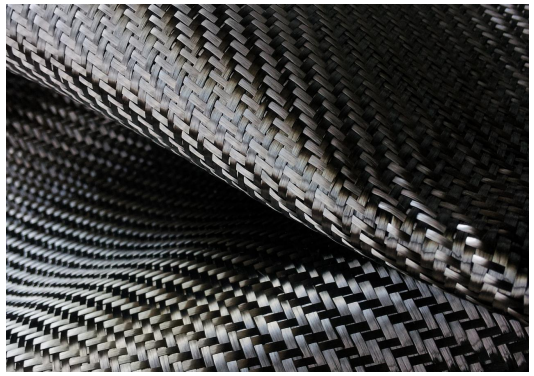
4.Thermal paper sticker label

- PVC self-adhesive label paper
- Coated paper self-adhesive label paper
- Transparent self-adhesive label paper
- Aluminum foil self-adhesive label paper

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Carbon fiber raw materials and semi-finished products



gsm:customized

Width:customized

Weave pattern:customized

Carbon fiber woven fabric

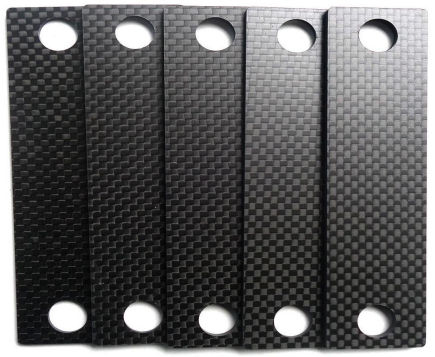


Length:customized

Thickness:customized

Matte and gloss:customized

Carbon fiber tube and rod



Size:customized

Thickness:customized

Shape:customized

Carbon fiber sheet and plate

PART 02

Carbon fiber products





1 Outdoor Camping

Moon chair, awning poles, tent poles, trekking poles, fishing poles

2 Leisure sports equipment

Badminton racket, Pickle racket, Golf club, Diving fins, Hydrofoil

3 Medical Devices

Orthopedic operating tables, rehabilitation equipment, wheelchairs, surgical instruments

4 Bicycle Accessories

Frame, handlebars, wheels, seat tube, front fork



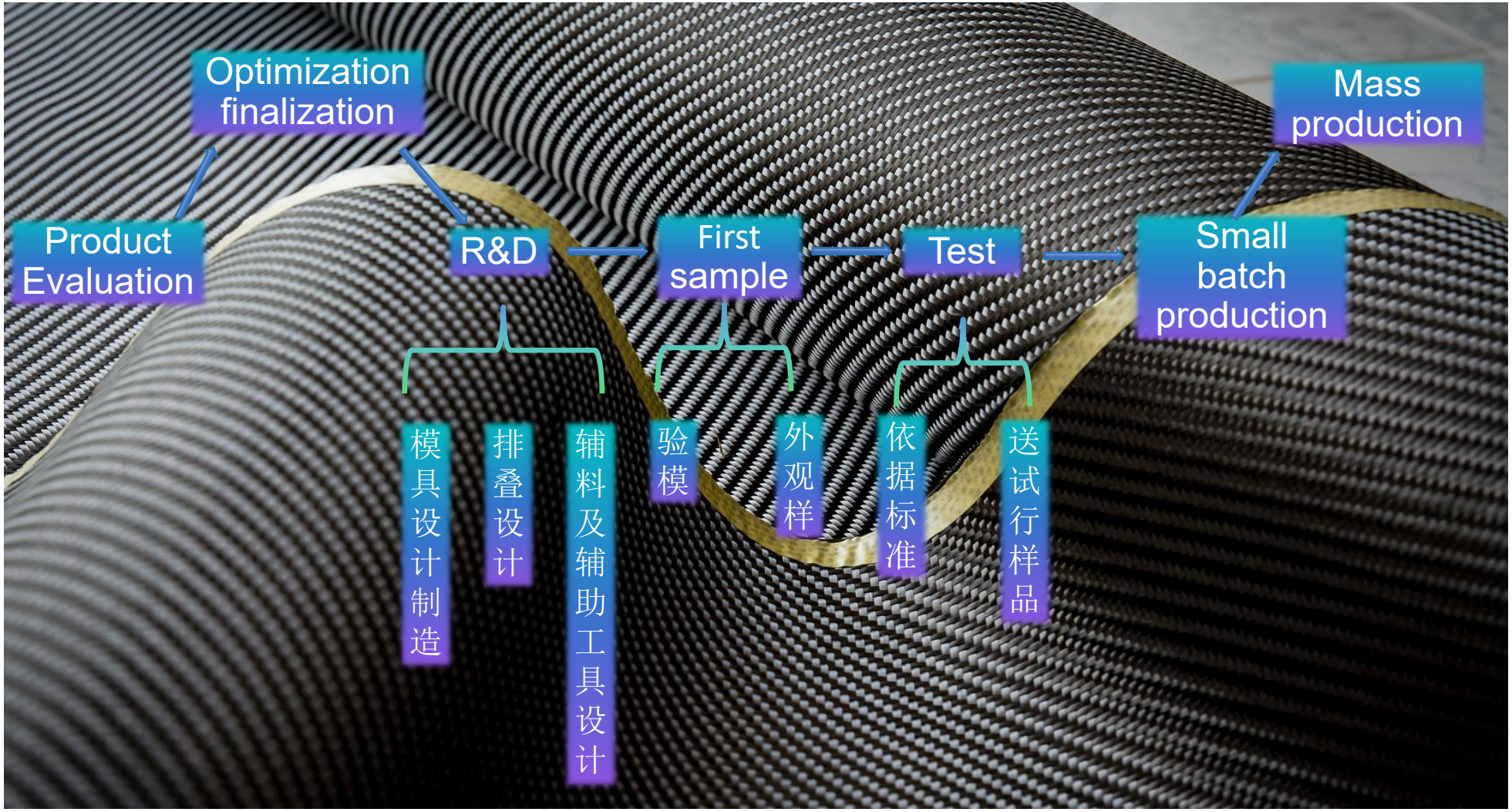


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Carbon fiber products OEM/ODM customization process

Development cycle: 30 days from drawing confirmation to delivery of appearance samples (rough blanks) / 45 days after testing



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PART 02

Release paper and Release film

Structure of release material

- Laminated release paper structure diagram



- Plastic-free release paper structure diagram



- Release film structure diagram



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Release paper and Release film



Glassine release paper

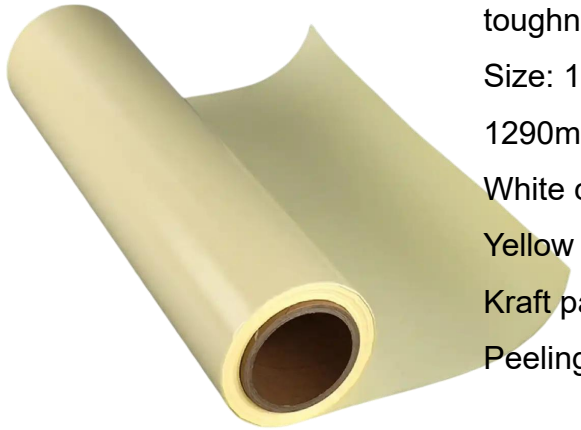
Main features: imported silicone oil, high temperature resistance, solvent-free silicone oil, good flatness, good toughness, punching resistance

Size: 1090mm

White color gsm: 40g, 60g, 80g, 90g, 100g, 120g

Blue color gsm: 60g, 80g

Peeling force: 1-1000g/25.4mm



Laminated release paper

Main features: good flatness, good toughness, punching resistance

Size: 1040mm, 1090mm, 1240mm, 1290mm, 1540mm

White color paper gsm: 30g-230g

Yellow color paper gsm: 75g, 100g, 118g

Kraft paper: 45g, 55g, 70g, 85g, 100g, 120g

Peeling force: 1-1000g/25.4mm

Biodegradable laminated paper

Main features: biodegradable and good heat-sealing properties.

Application range: food packaging, medical packaging.

Size: arbitrary cutting

gsm: customizable



CCK release paper

Main features: high temperature resistance, dense texture, uniform coating, good internal tensile strength and flatness, good curling resistance, good paper stiffness, high smoothness, good tensile strength, high temperature resistance, stable peel strength

Size: 1090mm

gsm: 120g

Peeling force: light peeling force

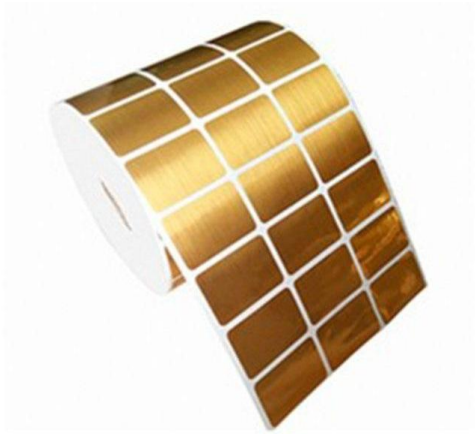


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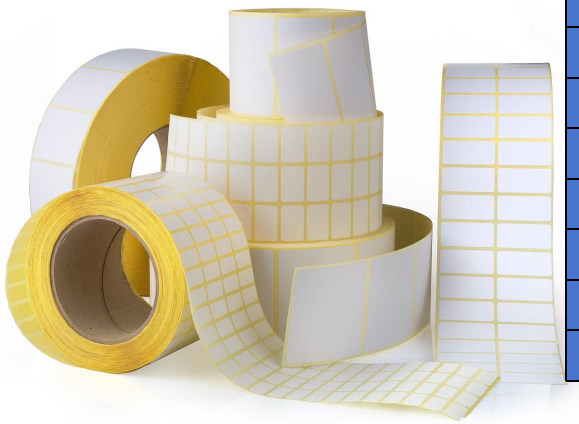
Thermal Paper Adhesive/Sticky Label











Standard size			
Paper Color	White	Yellow	Blue
40,50,58gsm Thermal Paper Adhesive/Sticky Label			
Size	Pcs/roll	Rolls/CTN	Weight (KG)
30*20	2400	120	18.5
40*30	1300	96	19.7
50*50	800	72	18.5
60*30	1300	60	18.5
60*40	1000	60	18.5
70*40	1000	48	17.3
70*50	800	48	17.3
80*50	800	48	19.7
80*60	650	48	19.7
80*80	500	48	19.7
100*80	500	36	18.5
100*100	400	36	18.5
150*100	400	24	18.5

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Carbon fiber products applications

PART 03

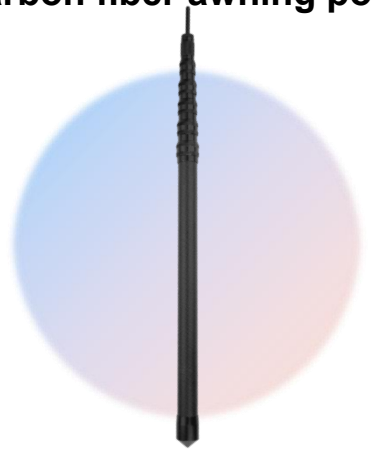
Carbon fiber outdoor camping applications



Carbon Fiber Moon Chair



Carbon fiber awning poles



Carbon fiber trekking poles



Carbon fiber fishing rod



PART 03

Carbon fiber leisure sports applications

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Carbon fiber badminton racket



Carbon fiber Pickleball racket





Carbon fiber golf clubs

Carbon fiber diving fins





Carbon fiber hydrofoil

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PART 03

Carbon fiber medical device applications

Carbon fiber orthopedic operating table accessories

- Radiopaque parts
- High precision
- Lightweight
- Excellent load-bearing capacity
- Anti-electromagnetic interference
- Biocompatibility
- Durability

Carbon fiber wheelchair accessories

- Lightweight
- High strength and durability
- Good comfort
- Beautiful and stylish
- Corrosion resistance









Carbon fiber rehabilitation equipment accessories

- High strength
- High elasticity
- Lightweight
- Personalized customization
- Good corrosion resistance and durability
- Aesthetics

Carbon fiber surgical instruments

- High strength and light weight
- Good biocompatibility
- Corrosion resistance
- Good radiotransmittance
- Design flexibility

PART 03

Carbon fiber bicycle parts

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Carbon fiber frame

The laying direction and thickness of carbon fiber cloth can be precisely designed according to different riding needs and design concepts, so that the frame can have different strength and stiffness characteristics in different parts.

Carbon fiber seat tube

The carbon fiber seat tube has a certain degree of elasticity, which can buffer vibrations during riding and improve riding comfort.

Carbon fiber handlebar

Its shape and size can be designed according to ergonomics to meet the hand shapes and holding habits of different riders.

Carbon fiber wheels

Including rims and hubs, carbon fiber rims are lightweight, high-strength and have good aerodynamic performance.

Carbon fiber front fork

The carbon fiber front fork can provide good shock absorption performance and steering flexibility while ensuring sufficient strength.

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Carbon fiber industrial equipment

Energy Equipment

As wind power generation develops towards large-scale and deep-sea applications, carbon fiber is increasingly used in wind turbine blades.

Electronic devices

Some high-end electronic devices, such as laptops, tablets, mobile phones, drones, etc., use carbon fiber shells.











Auto industry

Carbon fiber car body can significantly reduce the vehicle's own weight and improve acceleration and handling performance.

Chemical Equipment

Carbon fiber composite pipes have the advantages of corrosion resistance, wear resistance, high pressure resistance, and light weight. They can be widely used in fluid transportation in the chemical, petroleum, natural gas and other fields.

Industrial Robots

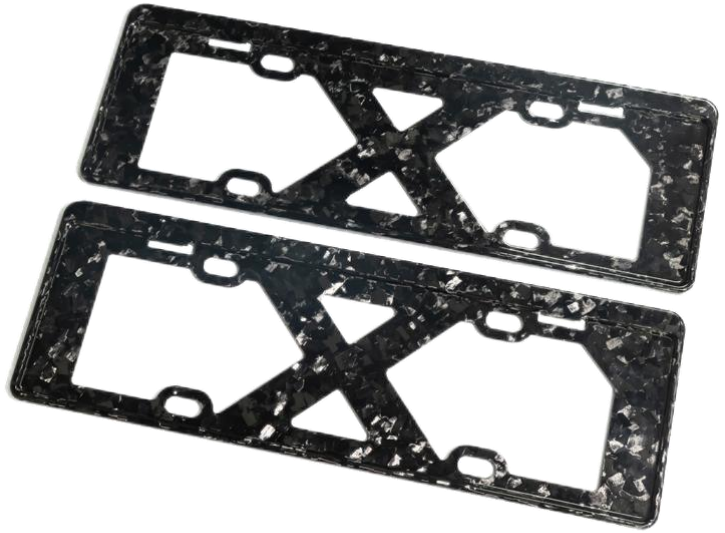
Carbon fiber is widely used in the manufacture of industrial robot arms and joints.

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Other applications of carbon fiber

















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Win-win cooperation

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Main Advantages

Source Factory

Source factory ensures quality control and competitive price.



Excellent quality

High production efficiency and strict quality standards.

Quick response

Fast quotes and professional customer technical support.



Excellent service

Maintain communication and contact from ordering to production to delivery.

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Win-win cooperation



Contact us !

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THANKS

Looking forward to cooperating with you!