

AOSHENG 澳盛科技



AOSHENG

**Explore
Infinite
Potentials**



澳盛科技
AOSHENG

SOAR HIGH AND GAIN THE VICTORY

翱翔天际 决胜千里

Open wings flying in the industry sky and fight for development. Soar high and gain the decisive victory. Stay high to gaze far and engage in fierce battle. Aosheng Hi-tech is committed to being the tastemakers of new material field in new era.

为产业进程张开翱翔的翅膀，向成长天际发起持续的冲锋。翱翔天际，决胜千里，既是登上高处望远，也是剑指江湖战。澳盛科技誓做新时代、新征程、新材料的弄潮儿！



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走进澳盛科技

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**ABOUT
AOSHENG
HI-TECH**

走进澳盛科技



ABOUT AOSHENG 关于我们

江苏澳盛复合材料科技股份有限公司（以下简称“澳盛科技”）于2002年创立，位于苏州市吴江区中鲈专精特新产业园，是一家专注碳纤维及其复合材料制品设计、研发、生产、销售于一体的高新技术企业，是碳纤维行业十大知名企业，连续多年碳纤维年消耗量超万吨。

多年来，澳盛科技形成了以碳纤维编织布、预浸料为起点，以运动休闲、建筑加固、医疗器械为基本盘，以风机叶片、低空经济、3C电子、汽车轻量化、新型储能器材等为增长极的产业格局，业务领域涵盖碳纤维编织、预浸、拉挤、缠绕、模压及其他异形件加工等，可以满足客户的不同要求及定制服务。2017年开始，澳盛科技把握新能源风电的发展势头，开发的风电叶片用碳纤维拉挤大梁，助力企业实现跨越式发展，连续多年实现销售额和碳纤维用量的翻倍式增长。

创新是企业发展的不竭动力，是打造高质量产业的核心“引擎”。澳盛科技依托江苏省企业技术中心、江苏省工业设计中心、江苏省碳纤维复合材料批量化制造和应用工程技术中心、江苏省高端树脂基碳纤维复合材料工程研究中心、江苏省博士后创新实践基地、江苏省外国专家工作室六大省级科研创新平台，并和东华大学、苏州大学等高校、科研院所进行产学研合作，加快科技创新成果向现实生产力的转化，形成了支撑企业创新发展的“大脑”。

澳盛科技的蓬勃发展得到了各级部门的认可，荣获：“国家级专精特新小巨人企业”、“中国专利优秀奖”、“江苏省科学技术奖”、“上海市科技进步奖”、“苏州市科技进步奖”等荣誉，开发的“风电叶片用碳纤维拉挤板”产品入围“工信部第六批制造业单项冠军名单”荣誉。

Founded in 2002 and located in Wujiang district, Suzhou city, Jiangsu Aosheng Composite Materials Hi-Tech CO., LTD (hereinafter referred to as “Aosheng Hi-Tech”) is a high-tech enterprise focusing on the design, R&D, production and sales of carbon fiber and its composite products. It is one of the top ten well-known enterprises in the carbon fiber industry, and the annual consumption of carbon fiber has exceeded 10,000 tons for many years.

Over the years, Aosheng Hi-Tech has established an industrial landscape with carbon fiber woven fabric and prepreg as the starting point, sports and leisure, building reinforcement, medical devices as the basic section, and wind turbine blades, low-altitude economy, 3C electronics, automotive lightweight, New energy storage equipment, etc., as the growing section. The business field covers carbon fiber woven fabric, prepreg, pultrusion, winding, molding and other special-shaped parts processing, etc., which can meet the different requirements of customers and customized services. Since 2017, Aosheng Hi-Tech has grasped the development momentum of wind power and developed carbon fiber pultruded girder for wind turbine blades, helping enterprises to achieve leapfrog development and doubling sales and increasing carbon fiber consumption for consecutive years.

Innovation is the inexhaustible driving force for enterprise development and the core “engine” for building high-quality industries. Based on six provincial scientific research and innovation platforms: Jiangsu Enterprise Technology Center, Jiangsu Industrial Design Center, Jiangsu Carbon Fiber Composite Mass Manufacturing and Application Engineering Technology Center, Jiangsu High-end resin-based Carbon Fiber Composite Engineering Research Center, Jiangsu Postdoctoral Innovation Practice Base, and Jiangsu Foreign Experts Studio, It is also working with Donghua University and Suzhou University and other universities and research institutes to accelerate the transformation of scientific and technological innovation achievements into real productivity, constituting a “brain” to support the innovation and development of enterprises.

The vigorous development of Aosheng Hi-Tech has been recognized by all levels of governments, and won: “National Specialized and Sophisticated Small Giant Enterprise”, “China Patent Excellence Award”, “Jiangsu Province Science and Technology Award”, “Shanghai Science and Technology Progress Award”, “Suzhou Science and Technology Progress Award” and other honors, the development of “wind power blade carbon fiber pultrusion plate” products shortlisted “the sixth batch of manufacturing industry champion list” honors.





VALUE 价值观

Vision: The world's high-end carbon fiber composite solution provider
Mission: Lighter, stronger and tougher with infinite potentials
Values: Innovative composites, inspire the future

企业愿景：全球高端碳纤维复合材料方案提供商
企业使命：更轻、更强、更韧，无限可能
核心价值观：创新复材，启迪未来





MILESTONES 发展历程



2002

Jiangsu Aosheng Composite Materials Hi-Tech CO.,LTD was established
江苏澳盛复合材料科技有限公司成立



2007

High quality performance attracted many well-known domestic and foreign companies to cooperate
高品质生产力吸引许多国内外知名公司合作



2008

Developed carbon fiber pultrusion products for bridge and building reinforcement
Became a Siemens supplier and entered the medical industry
Developed carbon fiber composites for notebooks and entered the 3C industry

2014

开发碳纤维拉挤产品用于桥梁、建筑加固领域
西门子供应商，进入医疗行业
开发笔记本用碳纤维复合材料进入 3C 行业



2017

Entered the field of wind power
The consumption of carbon fiber became one of the top three in China
Recognized as Jiangsu carbon fiber composite mass manufacturing and application engineering technology center

Became one of Vestas' two qualified suppliers in China

进入风电领域
碳纤维用量进入全国前三
获批江苏省碳纤维复合材料批量化制造和应用工程技术中心
成为 Vestas 在国内两家合格供应商之一



2018

Entered the automotive industry
进入汽车领域



2020

The amount of carbon fiber consumption exceeded 10,000 tons
Became the supplier to LM wind power of General Electric Group
Became the supplier of Geely LOTUS and well-known mobile phone companies

碳丝用量突破 1 万吨
通用电气集团下属 LM 风电供应商
吉利 LOTUS、知名手机企业的供应商



2021

Shortlisted in the "sixth batch of Ministry of Industry and Information Technology manufacturing single champion" list
Won China Patent Excellence Award

入围“第六批工信部制造业单项冠军”名单
中国专利优秀奖



2023

Won Vestas 2023 Global Supplier of Best Quality Award
Won First prize of Shanghai Science and Technology Progress Award

维斯塔斯 2023 全球供应商最佳质量奖
上海市科技进步奖一等奖



2024

Aosheng Hi-Tech completed the shareholding reform

澳盛科技完成股份制改革



2025

Aosheng Hi-Tech's testing center has passed CNAS laboratory accreditation certificate

澳盛科技检测中心获得 CNAS 认可



BUSINESS FOOTPRINTS 业务布局



Manufacturing Base:
Suzhou Headquarters, Civil Aviation Production Base, Hydrogen Production Base, Zhenjiang Automobile Production Base, Jinjiang Aosheng (Sports Sector), Hong Kong Aosheng (Subsidiary), UK Overseas Office, Portugal Production Base

生产制造基地:
苏州总部、民用航空生产基地、氢能生产基地、镇江汽车生产基地、晋江澳盛 (体育板块)、香港澳盛 (子公司)、英国海外办事处、葡萄牙生产基地

Business Footprints:
Italy, Netherlands, USA, Mexico, Denmark, India, Spain, France, Turkey, Poland

业务分布:
意大利、荷兰、美国、墨西哥、丹麦、印度、西班牙、法国、土耳其、波兰



**BUSINESS
SECTOR**

业务板块




BASIC MATERIAL
基础材料



3C
消费电子

WIND ENERGY
风能



MEDICAL
医疗




AUTOMOBILE
汽车

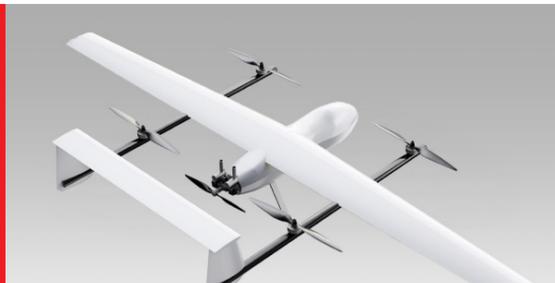


HYDROGEN ENERGY
氢能

SPORTS
体育



AVIATION
航空

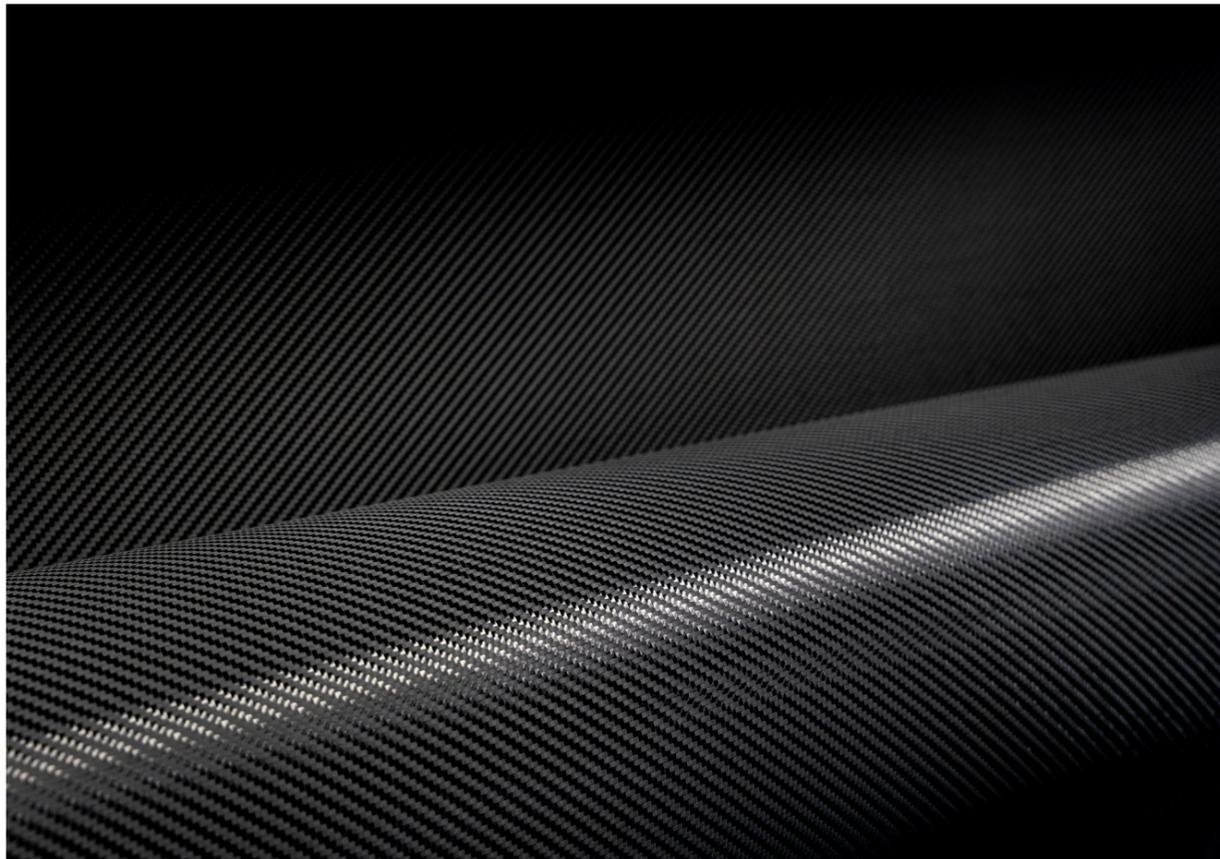




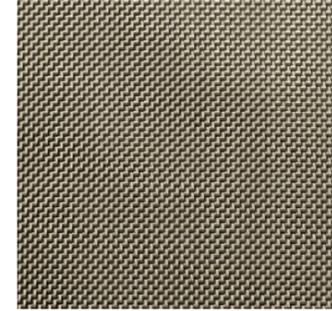
BASIC MATERIAL 基础材料

Basic materials include carbon fiber cloth, arnylon cloth and a variety of fibers (including basalt fiber, glass fiber, etc.) mixed woven fabric; Fabrics, based on their patterns, are divided into one-way, plain, twill, satin and they can be customized into a variety of small jacquard, and be post-processd according to customer needs. The annual capacity of prepreg is more than 8 million square meters, and the products cover one-way and fabric prepreg, which are widely used in aerospace, automotive industry, sports and leisure, labor protection, medical bed board, 3C electronics, industrial automation, building reinforcement, wind power blades and other fields.

基础材料品种规格包括碳纤维布、芳纶布及其多种纤维(含玄武岩纤维、玻璃纤维等)混编的机织物;按纹样划分可以分为单向、平纹、斜纹、缎纹以及可定制的多小提花等,并且可根据客户需要进行碳布后处理。预浸料年产能 800 余万平米,产品覆盖单向和织物预浸料,广泛用于航空航天、汽车工业、体育休闲、劳动保护、医疗床板、3C 电子、工业自动化、建筑加固、风电叶片等领域。



142g Plain Weave Fabric
142g 平纹双向布



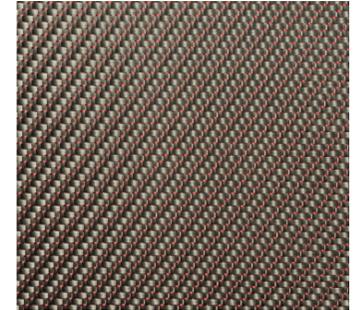
120g Twill Weave Fabric
120g 斜纹双向布



280g 4*4 Twill Weave Fabric
280g 4*4 斜纹双向布



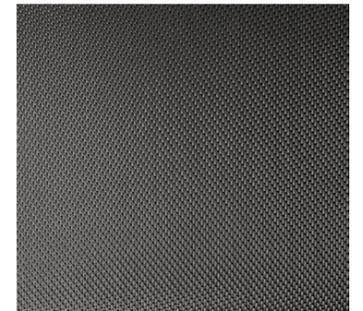
313g Hybrid Twill Fabric
313g 混编斜纹双向布



220g Plain Weave Fabric
220g 平纹双向布



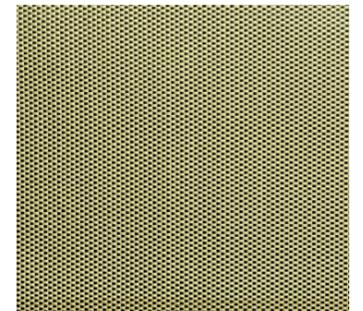
5 Harness Satin
Carbon Fabric
5 枚缎纹



245g Twill Weave Fabric
245g 斜纹双向布



190g Aramid & Carbon
Hybrid Plain Fabric
190g 芳碳混编平纹双向布





WIND ENERGY 风能

Pultruded Carbon Planks:

Pultruded carbon planks: They are composites made of large tow continuous carbon fibers as reinforcement and epoxy resin system as matrix through pultrusion process.

Application:

Pultruded carbon planks are used for spar caps, which are the main load-bearing component of wind turbine blades, featuring low density, high strength and modulus, excellent fatigue properties, etc. Aosheng has won Vestas 2023 Global Supplier of Best Quality Award. As the length of wind turbine blades continues to increase, the application of carbon planks will inevitably become the trend.

碳纤维拉挤板:

是以大丝束连续碳纤维作为增强材料,环氧树脂作为基体,通过拉挤工艺制成的复合材料。

主要应用:

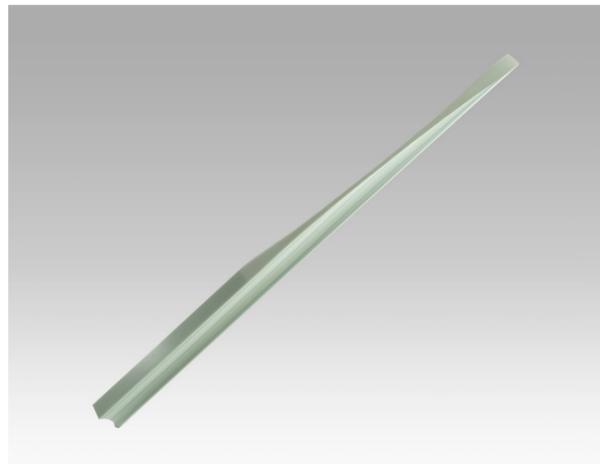
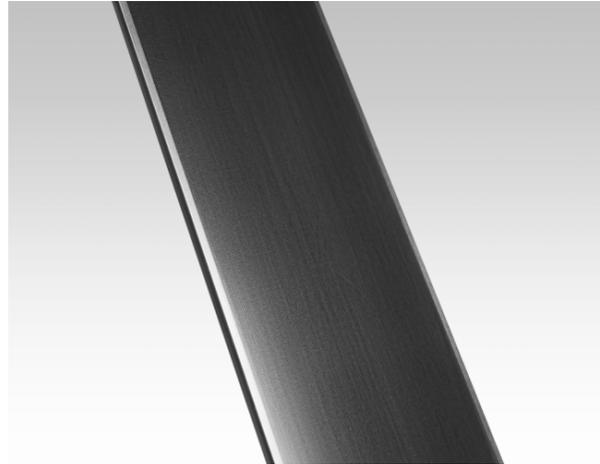
风电叶片大梁,是风机叶片的主要承力构件,具备低密度、高强度、高模量、优良的疲劳性能等特性。澳盛科技曾荣获“2023 维斯塔斯全球最佳供应商质量奖”。随着叶片长度不断加长,碳板将是必然趋势。

UD Block:

A composite made of glass fiber as reinforcement and epoxy resin system as matrix through pultrusion process. It is mainly used for connecting the root of wind turbine blades with bolts, offering higher modulus and better stability compared to the pure infusion process.

UD 块:

玻璃纤维作为增强材料,环氧树脂作为基体,通过拉挤工艺制成的复合材料。主要应用在风电叶片根部与螺栓连接,相对于纯灌注工艺强度模量更高,更稳定。



AUTOMOBILE 汽车

Aosheng automotive business focuses on the overall solution of composite material applications in the direction of auto parts, battery boxes, flying cars, etc. Relying on the group's full chain advantages in the carbon fiber industry from materials to products to recycling, we provide customers with large-scale, customized, low-cost lightweight solutions for different needs. Specializing in material structure design, small batch manufacturing and mass production delivery, with the development of various types of intelligent manufacturing equipment, we have become a leading domestic supplier of automotive composite components for mass production.

澳盛汽车业务板块专注于汽车零部件、电池箱体、飞行汽车等方向的复合材料应用整体解决方案,依托集团在碳纤维产业从材料、产品到回收的全链条优势,针对客户的不同需求,为客户提供规模化、定制化、低成本的轻量化解决方案,包括材料结构设计、小批量制造和量产交付,通过各类智能化制造设备的开发,已成为国内领先的汽车复合材料部件量产供应商。

Carbon Fiber Hood
碳纤维前机盖



Carbon Fiber Roof
碳纤维汽车顶盖



Carbon Fiber Rear Floor
Reinforcement Panel
碳纤维后地板加强板



Carbon Fiber Seat Back
Trim Panel
碳纤维背板装饰板



Steering Wheel Trim
方向盘饰件



Carbon Fiber Back Door Cover
Decorative Panel Assembly
碳纤维后背门盖板装饰板总成





SPORTS 体育

Carbon Fiber Bike Frame Advantages

Lightweight: Carbon fiber is lighter than most metals, making the bike frame lighter, easier to accelerate, climb, and less fatigue when riding long distances.

Stiffness: Carbon fiber is very stiff, making the bike frame more responsive and better at transmitting pedal power to the wheels for a faster, more efficient ride.

Durability: Carbon fiber is highly fatigue-resistant and can withstand shocks that may cause other materials to fail, and carbon fiber frames are also resistant to rust and corrosion, making them more durable in the long run.

Customizability: Carbon fiber can be molded into complex shapes, allowing for a high degree of customization of bicycle frame designs. This allows for a more aerodynamic, comfortable and stylish bike.

碳纤维自行车车架优势

轻量化: 碳纤维比大多数金属更轻,使自行车车架更轻,更容易加速、爬坡,长距离骑行时不易疲劳。

刚度: 碳纤维非常坚硬,使自行车车架更具响应性,更擅长将踏板力量传输至车轮,从而实现更快、更高效的骑行。

耐久性: 碳纤维高度抗疲劳,可以承受导致其他材料失效的冲击,碳纤维车架还具有抗锈蚀和腐蚀的特性,从长远来看更耐用。

可定制性: 碳纤维可以被塑造成复杂形状,允许自行车车架设计高度定制化。这可以实现更具气动性、舒适性和时尚性的自行车。



Carbon Fiber Supporting Sole

碳纤维支撑鞋底

Supportive Type

Features: The carbon plate in running shoes is generally small, and works mainly to strengthen the arch of the foot, and the carbon plate helps the arch absorb a considerable portion of the downward force, so as to achieve the effect of arch support and reduce the pressure of the arch.

支撑型

特点: 碳板跑鞋的碳板区域一般比较小,或者着重加强的区域就在足弓处,碳板帮足弓吸收了相当一大部分向下的力,从而达到了足弓支撑的效果,减小了足弓的压力。

Modulating Type

Features: The area of the carbon plate is larger, and the shape is generally to form an "X" shaped intersection in the center of the sole, and then extend to the front and back sides, mainly "X-shaped" and "Y-shaped", and the main function is to provide "support" and "stability".

调节型

特点: 碳板的面积更大,形状一般是在鞋子中心位置形成一个“X”形状的交叉,然后向前后两边延伸,以“X型”、“Y型”为主,主要作用在于提供“支撑性”和“稳定性”。

Push or Shovel Type

Features: The carbon plate is a whole design, without hollowing, and at the same time, it also has a function of leading forward, which everyone thinks to be critical for carbon plate running shoes.

推动型或铲型

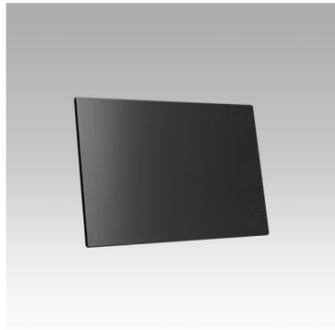
特点: 碳板是整块设计,没有镂空,同时具备大家所认为的碳板跑鞋应有的功能“向前推进”。





3C 消费电子

- Process: Prepreg → cutting → laying → molding → curing → machining → spraying
 - In view of the characteristics of short product development cycle, fast production speed and large quantity in the 3C field, there is a complete set of production lines suitable for the fast pace of 3C.
 - There are 2 automatic cutting machines, 12 high-precision small presses, and 10 high-precision machining centers.
 - The main application products are notebook Cover A and D covers, and phone backplane.
- 工艺：预浸料→裁切→铺叠→模压→固化→机加工→喷涂
- 针对 3C 领域产品开发周期短、节奏快、量大的特点，有一套完整的适合 3C 快节奏的生产线。
 - 自动裁床 2 台，高精度小型压机 12 台，高精密加工中心 10 台。
 - 主要应用产品为笔电 Cover A 和 D 盖，手机背板等。



Process Advantages:

It can not only meet the delivery needs of 10,000 sets of single-day production capacity, but also meet the processing accuracy requirements of 10 times ($\pm 0.03\text{mm}$) beyond the convention;

Product Advantages:

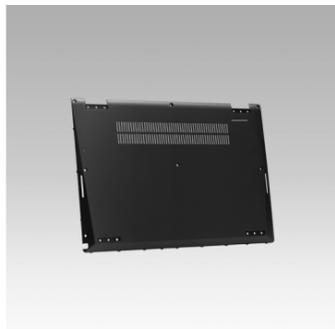
The door panel of the folding screen mobile phone is made of carbon fiber, which has excellent mechanical properties and can greatly reduce the screen crease; The folding fatigue of the product can be increased by 3-5 times compared with the original metal materials; In addition, the use of carbon fiber materials makes the thickness of the folding mobile phone expected to be reduced to the thickness of the straight board machine; Dramatically improve the consumer experience.

工艺优势:

既能满足单日产能万套的交付需求，又能满足超常规 10 倍 ($\pm 0.03\text{mm}$) 的加工精度要求；

产品优势:

折叠屏手机的门板采用碳纤维，其优异的力学性能，可大幅降低屏幕折痕；产品的折叠疲劳同原有的金属材料，可提高 3-5 倍；另外使用碳纤维材料，使得折叠手机整机厚度，有望降低至直板机厚度；大幅提升消费者体验效果。



MEDICAL 医疗

Carbon Fiber CT Bed Board:

Excellent X-ray wave transmission. CF board keeps the radiation dose in a very low level to reduce the harm to the patient while ensuring clear imaging. At the same time, the excellent mechanical properties ensure the convenience and stability of the CT bed.

碳纤维 CT 床板:

X 射线透波性能优异。保障在成像清晰的同时，辐射量大幅减小，降低对病人的伤害；同时优异的力学性能，保障 CT 床板设备，更为便捷稳定。



Carbon Ring and Tie Rod:

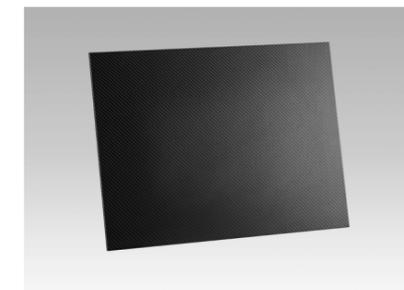
- (1) Excellent mechanical performance even with one end at room temperature while the other end at minus 268°C
- (2) The product requires small temporary space and is easy to operate and install;
- (3) The Carbon fiber NMR rings from Aosheng currently account for 80% of our customer's global needs; It has been continuously and stably supplied for more than 10 years.

碳环和拉杆:

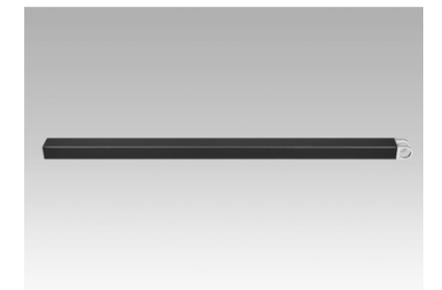
- ① 一端在常温，一端在零下 268°C 的情况下依然能够保持优异的力学性能；
- ② 产品占用空间小，操作便捷，安装方便；
- ③ 碳纤维核磁环，已连续稳定供货 10 年+，市场份额全球领先。



Carbon Fiber Operating Table
医疗手术床板



Carbon X-ray Plates
X 光碳板



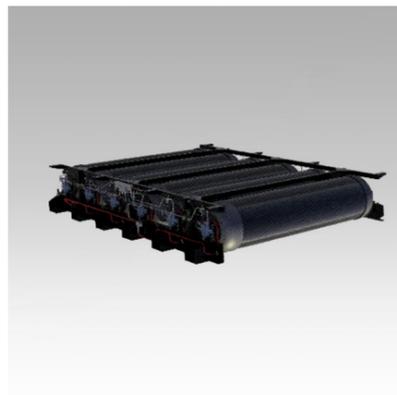
Carbon Fiber Cantilever
碳纤维悬臂



HYDROGEN ENERGY 氢能

Aosheng Hi-Tech adheres to the mission of “green hydrogen energy and zero carbon future”, layout in the field of hydrogen energy; The company is committed to creating high-performance, safe, and reliable vehicle hydrogen storage models through core technology innovation and hardware equipment support, helping the rapid development of the hydrogen energy industry. The total investment of the company exceeds 500 million yuan, introducing internationally cutting-edge equipment such as intelligent CNC metal spinning machine and multi work axis fiber winding machines, and building a world-class intelligent production line for hydrogen storage vessels. The production line is designed to have an annual production capacity of 100000 units of 35MPa III and 70MPa IV high-capacity high-pressure hydrogen storage products, mainly used in hydrogen energy commercial vehicles, urban buses, urban functional vehicles, ship hydrogen storage systems, and integrated hydrogen storage systems.

澳盛科技秉承“绿色氢能 零碳未来”的使命，布局氢能领域。公司致力于通过核心技术创新，硬件设备支撑，打造高性能、安全可靠的车载储氢模式，助力氢能产业快速发展。公司总投资超过5亿元，引进智能数控金属旋压机和多工作轴纤维缠绕机等国际尖端装备，建设国际一流的储氢气瓶智能化生产线。具备年产10万支35MPa III型和70MPa IV型大容量高压储氢产品的能力，主要应用于氢能源商用车、城市公交车、城市功能车、船舶储氢系统以及集成式储氢系统等领域。



High Pressure Hydrogen Storage Systems
高压供氢系统

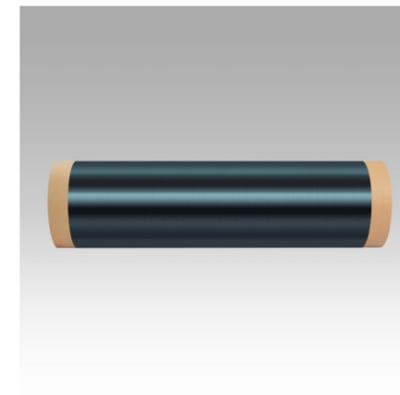


High Pressure Hydrogen Vessels
高压储氢气瓶

AVIATION 航空

Aosheng Hi-Tech fully leverages the advantages of light-weight, high strength, and corrosion resistance of carbon fiber materials, focusing on the research and development, design, production, and sales of carbon fiber fabrics, prepregs, and materials for aircraft components in the civil aviation field. Carbon fiber fabrics and prepregs can be applied in medium and large fixed-wing, multi-rotor unmanned aerial vehicles, electric vertical take-off and landing aircraft (eVTOL), and general aviation aircraft. The company has a mature production process system, including autoclave process, molding process, RTM process and non-autoclave process, etc., which can meet the research and production needs of aviation customers for all-round composite material components.

澳盛科技充分发挥碳纤维材料的轻量化、高强度、耐腐蚀性的优势，专注于民用航空领域的碳纤维织物、预浸料以及航空器零部件的材料研发、设计、生产和销售。碳纤维织物和预浸料可应用于中大型固定翼、多轴旋翼无人机、电动垂直起降飞行器以及通用航空飞机等领域。公司拥有成熟的生产工艺系统，包括热压罐工艺、模压工艺、RTM工艺和非热压罐工艺等，可满足航空客户全方位复材部件的研制生产需求。



Carbon Fiber Fabric, Prepreg
碳纤维织物、预浸料



Fixed Wing, Multi Axis Rotary Wing Unmanned Aerial Vehicles Components
固定翼、多旋翼无人机部件



Aircraft Components
飞行器部件



**INNOVATED
AND
INTEGRATED
FRESH
ACTIVISTS**

创新整合的生力军



TESTING CENTER 检测中心

In 2025, Aosheng Hi-Tech's testing center has passed CNAS laboratory accreditation certificate. The testing center covers an area of about 3,100 square meters and has a control system covering all processes from raw materials to products. The testing scope covers mechanical properties, weather resistance, physical properties and chemical analysis and other types of testing. The main items include tensile test, compression test, bending test, fatigue test, composite wire tensile test, glass transition temperature, fiber content, resin acid number and epoxy equivalent test.

2025年，澳盛科技检测中心通过了CNAS实验室认可。检测中心占地约3100平方米，包含从原材料到产品整个流程的管控。范围涵盖机械性能、耐候性能、物理性能及化学分析等领域的检测。主要项目有拉伸测试、压缩测试、弯曲测试、疲劳测试、复丝拉伸、玻璃化转变温度、纤维含量、树脂酸值和环氧当量等测试。





PROCESS AND EQUIPMENT 工艺设备



Aosheng adheres to the concept of “customized research and development”. Guided by customer needs, we have been integrating various processes, implementing product innovation, and now fully possesses the development and manufacturing capabilities of carbon fiber weaving, prepreg, winding, extrusion, molding, and shaped parts. We strive for automation, precision, and precise matching in the process management, so as to ensure the comprehensive compliance of product parameters and the safety and reliability of quality.

澳盛科技秉承“定制研发”的理念，以客户需求为导向，整合工艺技术，实践产品创新，现已全面具备碳纤维编织、预浸、缠绕、拉挤、模压以及异形件的开发和制造能力。我们在工艺管理过程中力求自动化、精准度、匹配性，以确保产品参数的全面达标，质量的安全可靠。

1.Pultrusion

Pultrusion is a process of impregnating continuous fibers or fabrics with resin, extruding them through a molding die under the traction of a traction mechanism, heating and curing them into profiles, and then cutting them into the desired size.

Control point: the impregnation and temperature should be controlled to a proper level.

1. 拉挤成型

拉挤是将连续长的纤维或织物经浸渍树脂后，在牵引机构的牵引下经过成型模的挤压，加热固化成型材，再切割成所需尺寸的工艺方法。

管理点：控制浸渍量和温度将直接影响成品。



2.Winding

The process of winding is carried out using continuous filament or tape on a core mold using a CNC winding machine, and the semi-product get cured in an oven to finally form a cured product, after which the cured product will be removed from the core mold. Control point: The winding process is always maintained at a constant speed to ensure stable quality.

2. 缠绕成型

缠绕是用连续长丝或带在芯模上用数控缠绕机进行，然后在热固炉中固化，最终使固化成型的缠绕件脱离芯模完成制作的工艺方法。

管理点：缠绕过程始终保持匀速，以确保质量稳定。



3.Compression Molding

Compression molding is mainly divided into prepreg compression molding and liquid compression molding. Pre prepreg compression molding is the process of cutting the prepreg into a certain size according to requirements, then placing it into a mold, and curing it into shape under certain temperature and pressure. Liquid compression molding is the process of placing a fiber preform into a mold and then injecting resin into the mold cavity to solidify and form it at a certain temperature and pressure.

Control point: the resin viscosity and resin rheological property should be proper to match with the technical parameters.

3. 模压成型

模压成型主要分为预浸料模压和液体模压，预浸料模压是把预浸料按要求裁切成一定尺寸，然后放入模具，在一定温度和压力下固化成型。液体模压是把纤维预成型体放入模压，然后再向模腔中注入树脂，在一定温度和压力下固化成型。

管理点：树脂粘度、流变性和工艺参数需匹配。





HONORS AND PATENTS 荣誉专利

Won 4 provincial and ministerial science and technology awards (including First Prize of Shanghai Science and Technology Progress, Third Prize of Jiangsu Province Science and Technology, etc.), owned 101 granted patents (including 40 invention patents), participated in the formulation of 4 national standards.

获得省部级科技奖 4 项（包括上海科技进步一等奖、江苏省科学技术三等奖等），拥有授权专利 101 项（其中发明专利 40 项），参与制定国家标准 4 项。



The invention relates to a carbon fiber broadening equipment and process



The invention relates to a replasticized carbon fiber sheet with braided texture on the whole surface and its preparation method



High flame retardant low warping carbon fiber sheet and its preparation process



The invention discloses a carbon fiber epoxy resin composite and its preparation method



Fiber reinforced composite material battery box for new energy vehicles and its processing method



An environmentally friendly carbon fiber reinforced plastic



National "Specialized And Sophisticated" Small Giant Enterprise 国家“专精特新”小巨人企业	Ministry of Industry and Information Technology 工业和信息化部
High-tech Enterprise 高新技术企业	Ministry of Science and Technology 科学技术部
Manufacturing Single Champion Products 制造业单项冠军产品	Ministry of Industry and Information Technology 工业和信息化部
China Patent Award Excellence Award 中国专利奖优秀奖	State Intellectual Property Office 国家知识产权局
The First prize of Shanghai Science and Technology Progress Award 上海市科技进步奖一等奖	Shanghai Municipal People's Government 上海市人民政府
The third prize of Jiangsu Science and Technology Award 江苏省科学技术奖三等奖	Jiangsu Provincial People's Government 江苏省人民政府
China Textile Industry Federation Science and Technology Progress Award 中国纺织工业联合会科技进步二等奖	China Textile Industry Federation 中国纺织工业联合会
China Light Industry Federation Science and Technology Progress Third Prize 中国轻工业联合会科技进步三等奖	China Light Industry Federation 中国轻工业联合会
China Textile Industry Federation Patent Award 中国纺织工业联合会专利奖金奖	China Textile Industry Federation 中国纺织工业联合会
National Science and Technology Innovative Enterprises 全国科技创新型企业	China Federation of Commerce 中国商业联合会
Jiangsu Province Enterprise Technology Center 江苏省企业技术中心	Jiangsu Economic and Information Commission 江苏省经济和信息化委员会
Jiangsu Industrial Design Center 江苏省工业设计中心	Jiangsu Department of Industry and Information Technology 江苏省工业和信息化厅
Jiangsu High end Resin Based Carbon Fiber Reinforced Materials Engineering Research Center 江苏省高端树脂基碳纤维增强材料工程研究中心	Jiangsu Provincial Development and Reform Commission 江苏省发展和改革委员会
Jiangsu Carbon Fiber Composite Mass Manufacturing and Application Engineering Technology Research Center 江苏省碳纤维复合材料批量制造及应用工程技术研究中心	Jiangsu Provincial Department of Science and Technology 江苏省科学技术厅
Jiangsu Foreign Expert Studio 江苏省外国专家工作室	Jiangsu Provincial Department of Science and Technology 江苏省科学技术厅
Jiangsu Province Postdoctoral Innovation Practice Base 江苏省博士后创新实践基地	Jiangsu Department of Human Resources and Social Security 江苏省人力资源和社会保障厅
Two Integration AA Grade Standard 两化融合 AA 级贯标	Jiangsu Department of Industry and Information Technology 江苏省工业和信息化厅
2025 Jiangsu Province Advanced Intelligent Factory 2025 江苏省先进级智能工厂	Jiangsu Department of Industry and Information Technology 江苏省工业和信息化厅
Jiangsu Province Four-Star Cloud-Connected Enterprise 江苏省四星级上云企业	Jiangsu Department of Industry and Information Technology 江苏省工业和信息化厅



CERTIFIED MANAGEMENT SYSTEM 质量体系



ISO9001: 2015 Quality System Certification
ISO9001: 2015 质量体系认证

IATF16949: 2016 Automotive Industry Quality System Certification
IATF16949: 2016 汽车行业质量体系认证

GB/T29490-2023 Intellectual Property System Certification
GB/T29490-2023 知识产权体系认证

Safety Production Standardization Level 2 Certification
安全生产标准化二级认证

ISO45001: 2018 Occupational Health and Safety Management System
ISO45001: 2018 职业健康安全管理体系

ISO14001: 2015 Environmental Management System Certification
ISO14001: 2015 环境管理体系证书

AS9100D: Aerospace Management System Certification
AS9100D: 航空航天质量管理体系认证

SUBSIDIARIES 子公司

● **Hong Kong Aosheng Hi-Tech LTD**

Address: 1616-1617, 16/F, Tower A, Regent Centre, 63 Wo Yi Hop Road, KwaiChung, New Territories, HongKong
Julie Hui: +852 23081611

● **香港澳盛科技有限公司 (子公司)**

地址: 香港葵涌和宜合道麗晶中心 A 座 16 樓 1616-1617 室
许侨瑜: +852 23081611

● **Jiangsu Aosheng Composites and Hydrogen Energy Hi-Tech Co., LTD**

Address: No.16, Pingnan Road, Pingwang Town, Wujiang District, Suzhou, Jiangsu Province
Qingxin Zhao: +86 15306352550

● **江苏澳盛复材氢能科技有限公司**

地址: 江苏省苏州市吴江区平望镇平南路 16 号
赵清新: 15306352550

● **Zhenjiang Aosheng Lightweight Automobile Technology Co., LTD**

Address: No. 66, Changxiang East Avenue, Dantu District, Zhenjiang City, Jiangsu Province
Shaolei Cai: +86 13309699336
Weilai Tao: +86 13761771141

● **镇江澳盛轻量化汽车科技有限公司**

地址: 江苏省镇江市丹徒区长香东大道 66 号
蔡少雷: 13309699336
陶未来: 13761771141

● **Jinjiang Aosheng Carbon Fiber Composites Materials Co., LTD**

Address: No.6 Longquan Road, Jinjiang City, Fujian Province
Haifang Xu: +86 13918866912

● **晋江澳盛碳纤维材料有限公司**

地址: 福建省晋江市龙泉路 6 号
许海防: 18659758888

● **Jiangsu Aosheng Aerospace Composite Co., LTD**

Address: Intersection of Zhonghe Road and Fuping Road, Wujiang District, Suzhou City, Jiangsu Province
Zhen Jiang: +86 13918866912

● **江苏澳盛航空复合材料有限公司**

地址: 江苏省苏州市吴江区中心河路富平路交汇处
姜振: 13918866912

● **Portugal Aosheng Hi-Tech, Unipessoal LDA**

Address: Panattoni Industrial Park, Campo Parish, Valongo Town, Porto District, Portugal
Xin Li: +44 7708259267

● **葡萄牙澳盛科技有限公司**

地址: 葡萄牙波尔图大区瓦隆古市帕纳托尼工业园
厉辛: +44 7708259267



江苏澳盛复合材料科技股份有限公司

JIANGSU AOSHENG COMPOSITE MATERIALS HI-TECH CO., LTD.

苏州市吴江区中鲈专精特新产业园

Zhonglu new specialized and sophisticated industrial park, Wujiang district, Suzhou city, China

Tel: 86-512-63647111 Fax: 86-512-6364-7222

