

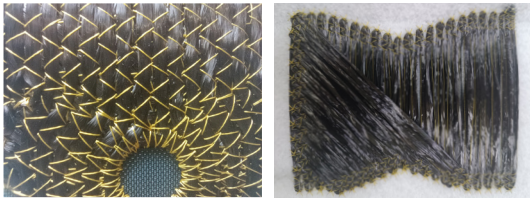
碳纤维铺缝机

Carbon Fiber Placement Stitching Machine



适用范围

适用于汽车、飞机、自行车等行业碳纤维材料的铺缝成型，实现复杂曲面构件的精准编织。



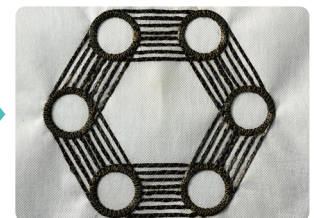
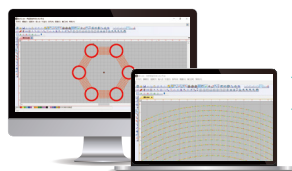
机器特点

- 可实现不同规格的碳纤维精准铺缝，根据不同规格可设定铺缝宽度和厚度。
- 碳纤维自动送线，独立送线路径，减少碳纤维的磨损。
- 底梭采用两倍梭芯，增大底线容量，减少更换次数。
- 机器具有自动校正图形角度功能，可以设置角度范围，以满足任意图形均可使用大线轴。
- 碳纤维铺缝过程可以设置不同的压脚高度，自动调整，满足不同厚度需求。
- 带底、面线断线检测功能，带底、面线张力调节功能；
- 根据需求不同，可以选择不同的机器结构：桥式结构左右送料、桥式结构前后送料和龙门结构左右送料。

设计软件 Design Software

可方便实现任意铺缝路径及图案的创建设置；方便进行图形及针距、针步、补偿等参数调整。

Enables easy creation and customization of any seam path or pattern. It allows users to conveniently adjust graphic elements as well as key parameters such as stitch length, stitch pitch, and compensation, ensuring precise and flexible control over machine operations.



Application

Suitable for the layup and stitching of carbon fiber materials in industries such as automotive, aerospace, and bicycle manufacturing. Enables precise weaving and forming of complex curved components.

Features

- Enables highly accurate stitching of carbon fiber fabrics. Stitch width can be set according to different material specifications.
- Features an independent feeding path for carbon fiber, significantly reducing fiber abrasion and ensuring material integrity.
- Equipped with a double-capacity jumbo bobbin core, increasing bottom thread capacity and reducing the frequency of bobbin changes.
- The machine features automatic pattern angle correction, allowing users to set the desired angle range. This ensures compatibility with large spools for any pattern configuration.
- The presser foot height can be set and automatically adjusted during the carbon fiber placement and stitching process to accommodate different material thicknesses.
- Equipped with bobbin and upper thread breakage detection, as well as bobbin thread and upper thread tension adjustment functions.
- Multiple machine structure options are available to suit various production needs: bridge-type structure with left-right material feeding, bridge-type structure with front-rear material feeding, and gantry-type structure with left-right material feeding.

碳纤维铺缝机 Carbon Fiber Placement Stitching Machine

推荐型号 Model

推荐型号 Model	头数 Heads	单头布线范围 (mm) Working Area/Head	占地面积 (长×宽×高) (mm) Machine Size(L×W×H)
GOAAS-O-W-4-800x1000-G-W1-VR2-PF,CW,AO-3P380	4	800X1000	7500x3500x1900

* 其他型号可定制 (Other models can be customized.)

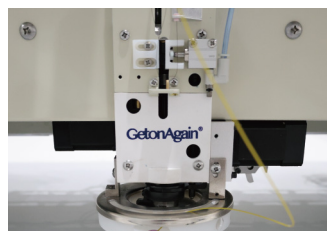
主要参数 Parameters

最大铺缝速度 Max. Placement Speed	750RPM (针步长度0.5-4.5mm) 根据材料、花型复杂程度等速度会有不同。 Working speed of 750RPM (Stitch length 0.5-4.5mm), varies on material and pattern complexity.		
纤维铺缝路径角度 Fiber Placement Path Angle	0-360°	最大铺缝厚度 Max. Placement Thickness	5mm
操作屏 Operation Panel	15.6英寸彩色触摸屏 15.6 inches touch screen	传输方式 File Transmission	USB
针步大小 Stitch Length	0.5mm-12.7mm	气压 Air Pressure	0.6MPa
电源 Power Supply	三相380V、三相220V、单相220V (其他特殊电压可定制) 3P 380V/3P 220V/1P 220V (Other special voltages can be customized)		

主要配置 Main Configuration



15.6英寸触摸屏
15.6 inches Touch Screen



面线保持装置
Upper thread holding device



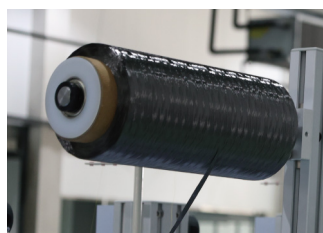
气动夹框：自动夹布，夹持牢固；具有夹持、拉伸功能，保证布料平整无褶皱
Pneumatic Clamping Frame: Automatically clamps the fabric securely and provides both clamping and tensioning functions to ensure the fabric remains flat and wrinkle-free.



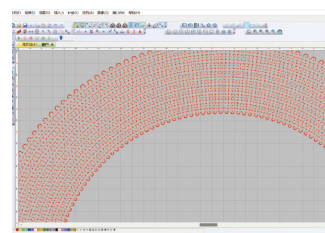
【选配】自动换梭装置
Optional: Automatic bobbin changer



【选配】自动剪碳纤维功能，实现自动剪切。
Optional: Automatic cutting to enable automated cutting of carbon fiber.



【选配】大线轴装置，大幅提升碳纤维的容量，减少停机时间。
Optional: Large spool device greatly increases the capacity of carbon fiber and reduces machine downtime.



【选配】智能布线打版软件
Optional: GetonAgain Intelligent Wire Stitching CAD

天津再登高智能制造有限公司

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