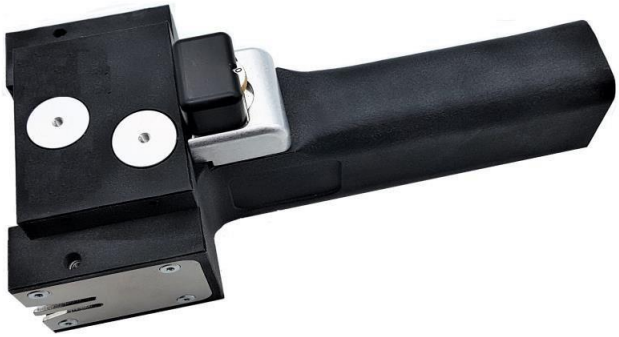
COMPOSITES SPLICER

3d Printed – stronger and lighter



MODEL 145

The auto-cut splicer for medium-count synthetics, up to 1800 tex.

Airbond research demonstrated that higher yarn counts demand a longer splice length, if adequate strength is to be maintained. This can be done easily with splicers such as the 143, which have no built-in cutters. However, expanding a splicer such as Airbond's old Model 111, to make a long splice with automatic cutting, led to an unacceptably heavy and bulky product. The consequence was that users were forced to switch to a manual-cut splicer – such as the 143 or 701 - once counts exceeded around 1200 tex.

Airbond's adoption of 3d printing technology has made extended-length splicers possible, and the Model 145 is the first of its kind. Increasing the knife spacing from the 114's 30 mm to 45 mm expands the range of this splicer's performance. Whereas the 141 is limited to counts of around 1200 tex, the 145 can splice up to about 1800 tex.

The 145 retains the 141's general format, with a single splicing chamber. The splicer can be supplied with a flow control system which supplies variable-pressure air to the blast chamber, while keeping the main factory line pressure unchanged..

Splice format:	Ends opposed.
Applications:	Composites processes such as filament winding, pultrusion, and weaving.
Yarns:	Carbon fibre, glass fibre, aramid, Panox, synthetic C.F.
Yarn counts:	Up to 1800 tex.
Twist:	Zero or low twist

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COMPOSITES SPLICER

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Outil pour épissage des fibres pour des applications industrielles. Disponible dans de nombreux formats.
Forme d'épissure "extrémités opposées"
Simple, solide et facile à réparer.
Disponible avec contrôle de débit. Disponible avec minuterie de durée.
Bon pour la plupart des processus composites.
Bon pour tous les synthétiques, y compris le carbone et le verre. Jusqu'à environ 1800 tex

Werkzeug zum Spleißen von Fasern für industrielle Anwendungen. In vielen Formaten erhältlich.
Spleißform "Enden entgegengesetzt"
Einfach, stark und leicht zu reparieren.
Erhältlich mit Durchflussregelung. Verfügbar mit Dauer-Timer.
Gut für die meisten Verbundprozesse.
Gut für alle Kunststoffe einschließlich Kohlenstoff und Glas. Bis zu ca. 1800 tex

Strumento che unisce di fibre per applicazioni industriali. Disponibile in molti formati
Metodo di giunzione "Fine opposto"
Semplice, resistente e facile da riparare.
Disponibile con controllo di flusso. Disponibile con timer di durata.
Buono per la maggior parte dei processi compositi.
Buono per tutti i sintetici tra cui carbonio e vetro. Fino a circa 1800 tex

Herramienta para empalme de fibras para aplicaciones industriales. Disponible en muchos formatos.
Forma de empalme "extremos opuestos"
Simple, fuerte y fácil de reparar.
Disponible con control de flujo. Disponible con temporizador de duración.
Bueno para la mayoría de los procesos composites modernos
Bueno para todos los sintéticos, incluidos el carbono y el vidrio. Hasta aproximadamente 1800 tex

産業用アプリケーション用の繊維をスプライスするためのツールです。
スプライスフォーム「両端反対」
シンプルで丈夫で、修理も簡単。
フロー制御で利用できます。継続時間タイマーで利用できます。
最新の複合材プロセスに最適です。
カーボンやガラスを含むすべての合成繊維に適しています。最大約1800 tex

用于工业应用拼接纤维的工具。
拼接形式“两端相反”
简单，坚固且易于维修。
可以提供流量控制。可以提供持续时间计时器。
适用于大多数现代复合材料工艺。
适用于所有合成纤维，包括碳和玻璃。高达约1800 tex

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