

HOT WELDING MACHINE FOR FABRICS - HOT WELDING FOR SEALING FABRICS

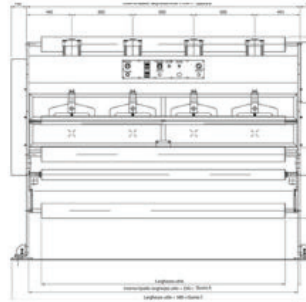
MACHINES FOR HOT WELDING OF FABRICS: WHY USE HOT WELDING ON TEXTILES WITH HOT SEALING INSTEAD OF SEWING?

WHY HOT WELDING INSTEAD OF SEWING?

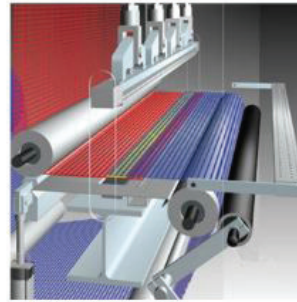
The ZP ARROW hot welding machine definitively resolves a well-known problem in industries that use continuous treatment lines for fabrics in rolls that are particularly "difficult".



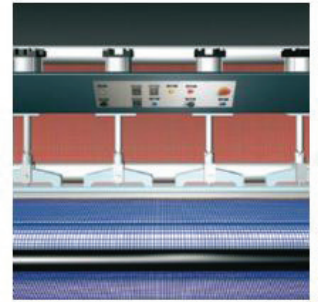
What kinds of fabrics can be spliced?



Technical features and positioning



Hot splicing in 8 steps



PRESSFLEX - 60cm modules with guaranteed even fabric "sealing"

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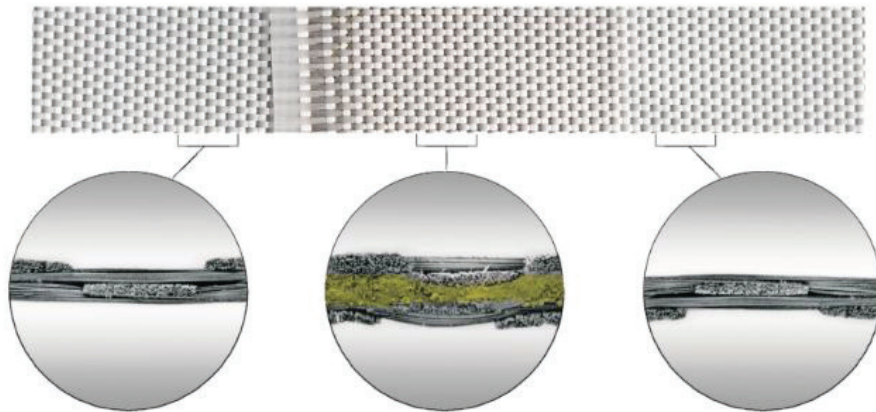
The AWE ARROW hot splicing machine definitively resolves a well-known problem in industries that use continuous treatment lines for fabrics in rolls that are particularly "difficult". In fact some fabrics, such as those made from glass fiber, Kevlar, polyester mono-filament yarns or particularly "open" fabrics, cannot be used with a sewing machine, which would be more suitable for a seam without excessive thicknesses.

With these types of fabrics, the seam cannot withstand the tension during coating, impregnation or finishing treatments, because the wefts slip. Therefore, special solutions are required, such as doubling the edges, overlapping them or using double seam stitching.

This procedure results in significantly excessive thickness, as well as poor alignment of the wefts and the risk of creases and wasting several meters before and after the seam.

The hot splice, on the other hand, "seals" the two overlapping fabrics that are correctly aligned and blocked. The sealing is performed with a special heat-setting polymer tape that flattens and stiffens the transverse splice zone. During subsequent processes, **even involving heat, the typical problems of sewn seams shrinkage, creases and waste are eliminated.**

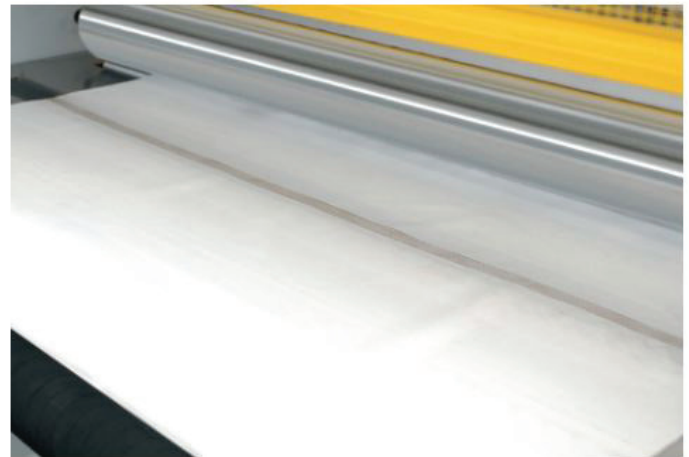
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Section of a fabric "sealed" in this manner enlarged 80 times. Thanks to the high pressure exerted by the heated bar, the thickness at the adhesion point is almost equal to the sum of the thickness of the two fabrics.



"Sealed" fabric



Splice in the machine

Would you like to try hot welding textiles with our hot welding machines on YOUR fabrics?
Then contact us today by filling out the form below and we will test hot welding on your fabric FOR FREE!

