Air cooling hot press series

Quick Joint all-in-one hot press splice

The splice press is an all-in-one solution for splicing thermoplastic conveyor belts (e.g. PVC polyurethane). They were designed to splice right on site. It's an air-cooled design, portable press specifically made for PVC/PU conveyor belts. No external control box, air pump, or water cooling tank are required. Everything is built right in. Make the splicing easier and more efficient , shorter the belt won't run time and increase the production rate.

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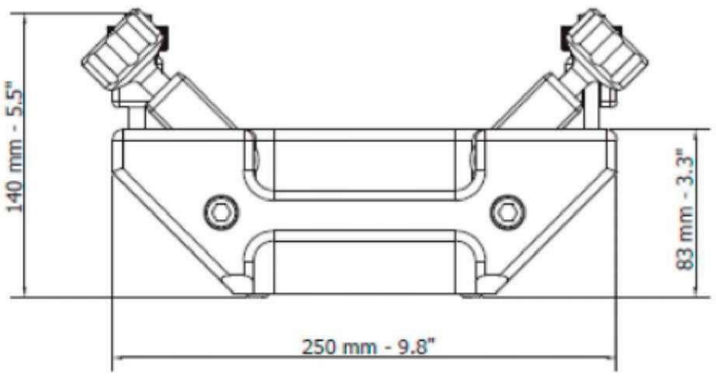
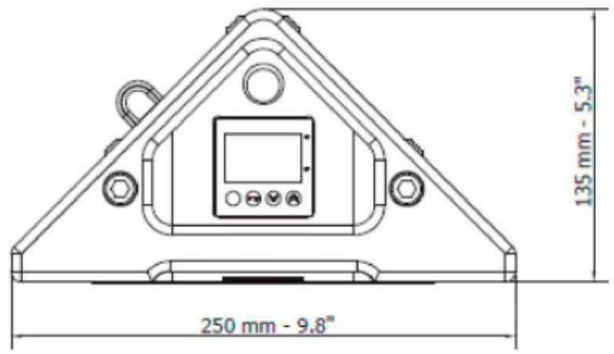
Features and benefits

- It takes only 7-12 minutes to complete the belt joint processes.
- Easy to operate and excellent splice repeatability.
- Temperature control and air cooling integrated.
- All-in-one unit, no external components required.
- Every press with a flight case for easy transport to on-site jobs.

Specification





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Model	LY300	LY600	LY900	LY1200	LY1500	LY1800	LY2100
Effective length	305 mm	610 mm	914 mm	1219mm	1524mm	1829mm	2360mm
Effective width	130 mm	130 mm	130 mm	130mm	130mm	130mm	130mm
Weight lower part	10 kg	16 kg	20 kg	28.5KG	32KG	32KG	36kg
Weight upper part	11 kg	13 kg	18 kg	25.5KG	30KG	42KG	55kg
Bumper bar	/	/	/	/	/	37kg	43kg
Naked weight	21 kg	30 kg	38 kg	54KG	62KG	76KG	134kg
Naked Length	505 mm	805 mm	1105 mm	1405mm	1705mm	2005mm	2360mm
Naked Overall Height	220 mm	225 mm	225 mm	225mm	225mm	225mm	255mm
Naked Overall Width	250mm	250mm	250mm	250mm	250mm	255mm	255mm
Max. pressure	2Bar	2 Bar	2 Bar	2bar	2bar	2bar	2bar
Max. temperature	200 °C	200 °C	200 °C	200 °C	200 °C	200 °C	200 °C
Dimensions for transport box	712 x 352 x280	1012 x 352 x 280	1312 x 352 x 280	1612 x 352 x 280	1912 x 352 x 280	2212*352*300	2567*352*300
Weight In transport box	26 kg	35 kg	57 kg	84KG	95KG	176KG	219KG
Wooden box size	790*430*420	1090*430*420	1390*430*420	1690*430*420	1990*430*420	2300*430*450	2650*430*450
G.W in wooden box	50KG	79KG	89KG	112KG	134KG	226KG	269KG
Power	1.6KW	2.8KW	4KW	5.2KW	6.4KW	7.6KW	8.8KW

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Temperature Control and Cooling

A problem may occur if the belts relatively thick, that the outside belt will stay at the splicing temperature too long to wait for the inside belt to reach the required
temperature. Molten material may flow away, discolor and fabrics shrink. To avoid this problem happening, the preheat function can be used. This function heats
the belt up (outside and inside) to a temperature just below the melting temperature. After the preheat stage, the inside splice temperature can be reached much
quicker, minimizing the risk for the unwanted flowing, discoloring and fabric shrinkage.
The all-in-one splices are designed with electric heating and built in air cooling, the processes runs fully automated.

- Splice pressure is applied by an internal compressor, max. 2 bar (28 psi).
- Heats up to a splice temperature of max. 200℃ （ 392 degree F）
- Keeps it at the splice temperature (adjustable dwell time)
- Cool down to the cooling temperature(safe temperature to take the belt out)
- For thicker belts a preheat temperature and preheat dwell time can be applied
- The bottom heating can be set lower or higher than the top heating
- The splice surface is 190mm wide(7.5") , and the heated zone is 130mm wide(5.1")

Eurotherm Controller and Pressure Controller

A. Eurotherm controller is located on the top part have two function: a. Level 1 program : splice temperature (max. 200℃),splice dwell time, cool down temperature ;b .Level 2 program: preheat temperature, preheat dwell time, bottom heat factor(lower or higher than top plate heating), and units (centigrade or
fahreheit).
B. Pressure controller is located on the bottom part that control the pressure up two bars/28 psi.

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Easy Operation

The top part can be hold on, easy to operation.

Have two clamp bars, that can set the belts fingers remain tightly meshed and keep in a horizontal line.

Set the temperature and pressure controller


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