



Diamant Bookline

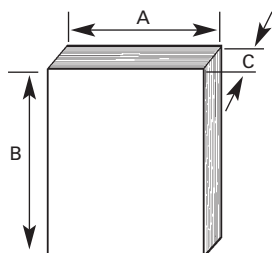
Specifications

«RHE» Casing-in Line

Mechanical speed, max.

3,600 cycles per hour

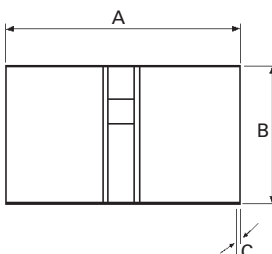
Book block sizes



	Max.	Min.
Standard sizes	A 270 mm (10 ⁵ / ₈ "	100 mm (4")
	B 380 mm (15")	100 mm (4")
	C 80 mm (3 ¹ / ₈ "	4 mm (⁵ / ₃₂ "
		2 mm (⁵ / ₆₄ " (optional)
Small sizes (optional)	A	70 mm (2 ³ / ₄ "
	B	100 mm (4")
	C	4 mm (⁵ / ₃₂ "
Broad sizes (optional)	A 300 mm (11 ³ / ₄ "	100 mm (4")
	B 360 mm (14 ¹ / ₈ "	100 mm (4")
	C 80 mm (3 ¹ / ₈ "*)	4 mm (⁵ / ₃₂ "
Large sizes (optional)	A 300 mm (11 ¹³ / ₁₆ "	100 mm (4")
	B 380 mm (15")	100 mm (4")
	C 80 mm (3 ¹ / ₈ "*)	4 mm (⁵ / ₃₂ "

* Block thickness depending on the size of the open book case

Book case sizes



	Max.	Min.
Standard sizes	A 660 mm (26")	190 mm (7 ¹ / ₂ "
	B 390 mm (15 ³ / ₈ "	105 mm (4 ¹ / ₈ "
	C 5 mm (1 ³ / ₆₄ "	1 mm (3 ³ / ₆₄ "
Small sizes (optional)	A 660 mm (26")	156 mm (6 ¹ / ₈ "
	B 390 mm (15 ³ / ₈ "	105 mm (4 ¹ / ₈ "
	C 5 mm (1 ³ / ₆₄ "	1 mm (3 ³ / ₆₄ "

Air requirements

22 Nm³/h at 6 bar (13 cfm at 90 psi)

Compressed air

10 Nm³/h at 1 bar (6 cfm at 15 psi)

Electrical requirements

400/230 V, 50/60 Hz, 3-phase

Power consumption


with short bridge	20 kW
with standard bridge	26 kW
with long bridge	30 kW

«EP 680» Joint Forming and Pressing Machine

Output, max.	3,720 books per hour
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Mechanical speed, max.	1,820 cycles per hour (2 books per cycle)
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Book sizes



The diagram shows a side view of a book. Dimension A is the width of the book, indicated by a horizontal double-headed arrow at the top. Dimension B is the height of the book, indicated by a vertical double-headed arrow on the left. Dimension C is the thickness of the book, indicated by a horizontal double-headed arrow on the right. The book is shown with a rounded top and a small gap between the pages and the cover.

	Max.	Min.
A	308 mm (12 $\frac{1}{8}$ ")	70 mm (2 $\frac{3}{4}$ ")
B	400 mm (15 $\frac{3}{4}$ ")	100 mm (4")
C	90 mm (3 $\frac{1}{2}$ ")	5 mm (1 $\frac{3}{64}$ ")

Clamp pressure	15,000 to 20,000 N
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Joint forming pressure	500 to 2,500 N
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Air requirements	6 Nm ³ /h at 6 bar (3.5 cfm at 90 psi)
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Electrical requirements	400/230 V, 50/60 Hz, 3-phase
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Power consumption	18 kW
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Design, measurements and specifications subject to change.

Diamant® – a flexible machine system

The casing-in line can be equipped with a variable number of gluing stations depending on customer's needs. The overall machine length is determined by the number of stations chosen.

«Diamant» consisting of:

RHE 611 – casing-in line with short “bridge”...

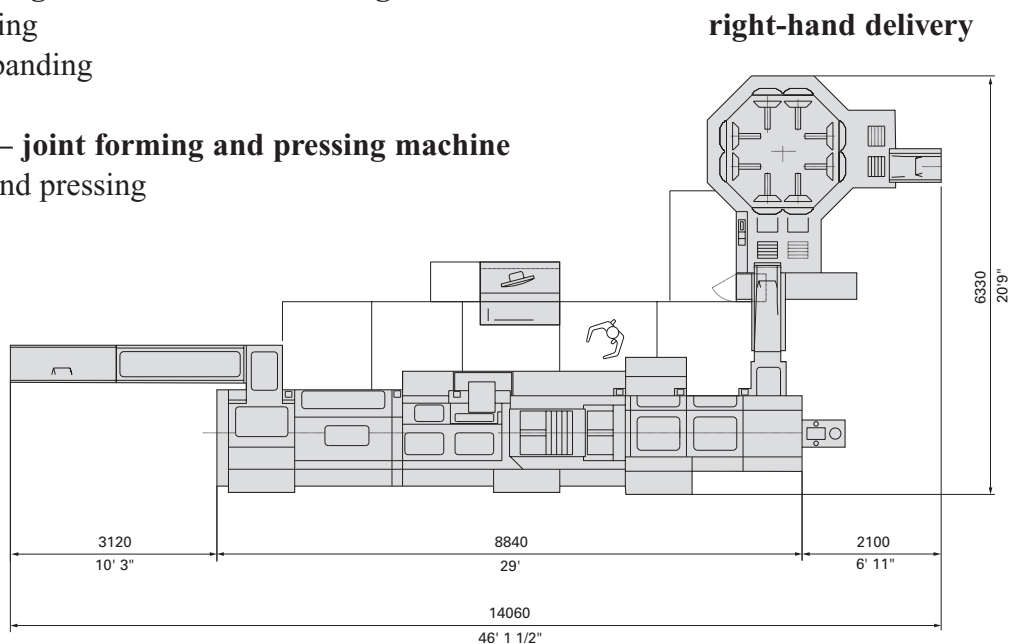
Rounding/backing

Gluing II/headbanding

Casing-in

...and EP 680 – joint forming and pressing machine

Joint forming and pressing



«Diamant» consisting of:

RHE 621 or RHE 622 – casing-in line with standard “bridge”...

Rounding/backing

RHE 621: Gluing I (for ribbon)

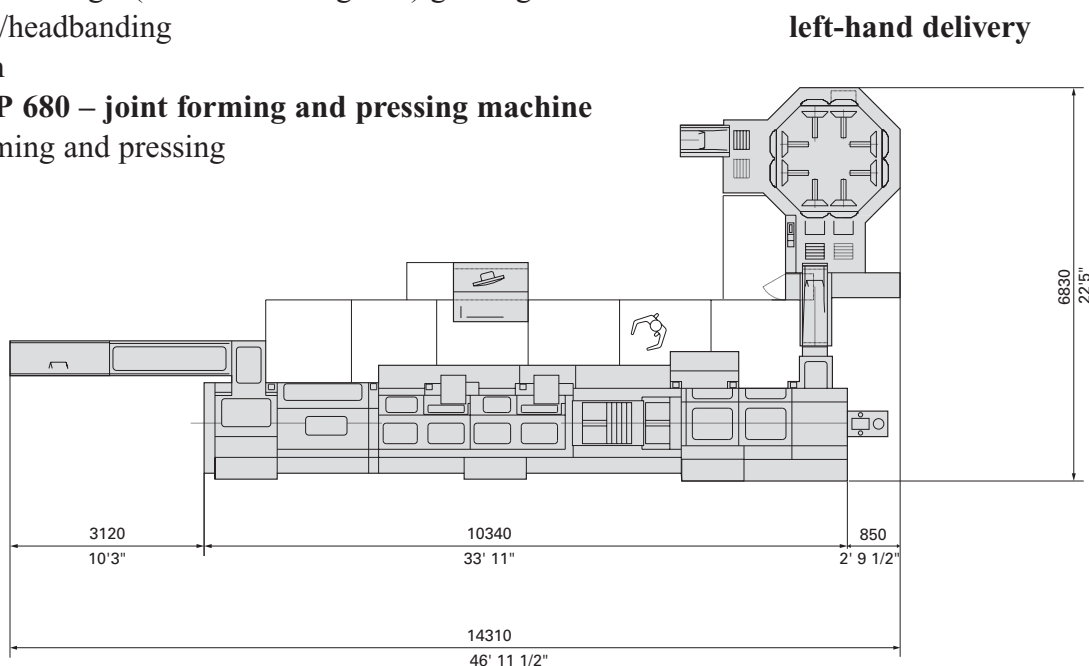
RHE 622: Gluing I (for ribbon and gauze)/gauzing

Gluing II/headbanding

Casing-in

...and EP 680 – joint forming and pressing machine

Joint forming and pressing



«Diamant» consisting of:

RHE 633 – casing-in line with long “bridge”...

Rounding/backing

Gluing I (for ribbon and gauze)/gauzing

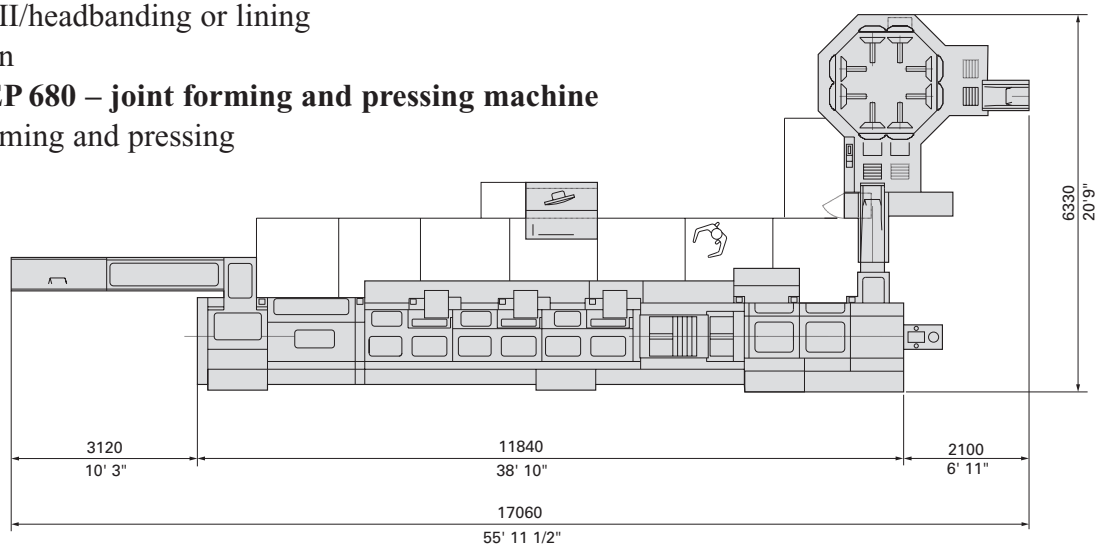
Gluing II/lining or headbanding

Gluing III/headbanding or lining

Casing-in

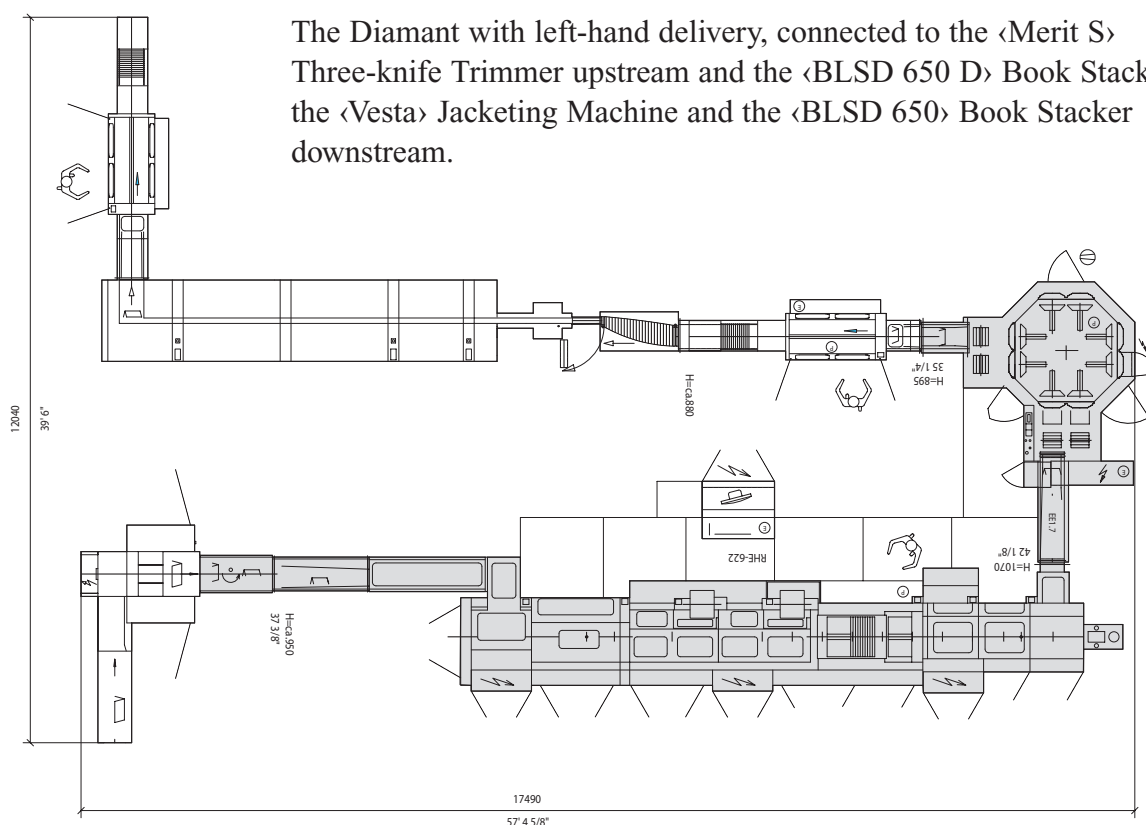
...and EP 680 – joint forming and pressing machine

Joint forming and pressing



Configuration example

The Diamant with left-hand delivery, connected to the «Merit S» Three-knife Trimmer upstream and the «BLSD 650 D» Book Stacker, the «Vesta» Jacketing Machine and the «BLSD 650» Book Stacker downstream.



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