

Data Sheet: Booklet stacker BSS-10

The BSS-10 booklet stacker allows non-stop Smart-binder operation without the need for the operator to continually have to remove books from the delivery conveyor.



Book stacker BSS-10: for in-line connection to the Smart-binder delivery conveyor

[View BSS-10 video](#)

Books pass through the standard Smart-binder delivery conveyor into the BSS-10 stacker where they collect into horizontal piles up to 235mm (9.25") height - or with a special option up to 330mm (13") height. The number of books in each pile is selectable by the machine operator. A turntable in the stacker enables books within each pile to be stacked in batches with spines in each batch in the opposite direction to the spines in the next batch. This ensures pile stability by avoiding all the spines being on the same side.

Book piles are delivered onto a free running roller table where they accumulate until removed by the operator. In-line (or off-line) pile 'banding' is also available.

IBIS Customized Finishing Solutions

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BSS-10 stacker description of operation

Individual booklets from the IBIS Smart-binder delivery conveyor are conveyed 'spine leading' by a positive-control belt system up an inclined infeed. The booklets collect on top of each other in the upper 'bin' up to a quantity selected during the set up (or automatically controlled by the bar code). When this upper stack is complete then it is released to fall down into the lower bin which is on a turntable. Booklets then continue stacking in the upper bin.

If stack 'compensation' is required (to increase stack stability) then the turntable rotates 180 degrees between each drop from the upper bin. When the total stack height is reached in the lower bin then the stack is ejected onto a free running delivery roller table.

BSS-10 automatic booklet stack rejection, PRM-100

If automatic rejection of defective booklet stacks is needed, then the optional PRM-100 module is also required. Reject stacks are rejected to the side of the delivery conveyor.



[View PRM-100 pile rejection video](#)

'Intelligent stacking' option SBCR-100

An optional bar code reader may be supplied to read a bar code on each booklet. An additional control system may then be programmed to use the bar code data to create stacks which contain specific booklets or signatures. This may be used for example to create stacks of signatures (book blocks) for subsequent perfect binding, or to create stacks of booklets in specific 'sets'.

Note: if gluing signatures together within each stack, then select the more expensive Palamides stacker option BSS-20 or [BSS-30](#).

Other options

Include: table-up option, stack compression, motorized basket adjustment, servo-pusher

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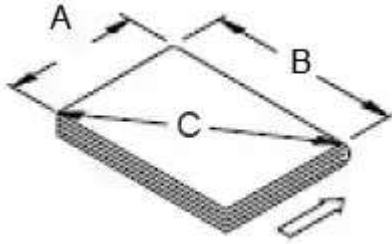
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BSS-10 stacker - Key specifications



Booklet size – Dimension A	Min: 102mm (4"), Max: 320mm (12.63")
Booklet size – Dimension B	Min: 152mm (6"), Max: 4700mm (18.5")
Booklet size – Dimension C	Min: limited by A & B, Max: 520mm (20.5")

Booklet thickness	Min: 1mm (0.04"), Max: 32mm (1.25")
Max stack height – BSS-10	235mm (9.25")
Max stack height – BSS-10H	330mm (13")
Infeed height range standard BSS-10	660mm (26") to 990mm (39")
Infeed height range BSS-10H	750mm (29.5") to 1079mm (42.5")
Upper bin max height	127mm (5")
Delivery table height	876mm (34.5")
Other dimensions	See section below
Booklet orientation (for best stacking)	Spine-leading
Max speed	12,00 booklets/hr (limited by Smart-binder to 7,000 booklets/hr in 1-up mode)
Air required	85 liters/min at 5.5bar (3 cfm at 80 psi)
Input voltage	400 V, 3-phase
Noise level	Max 85 db(A)

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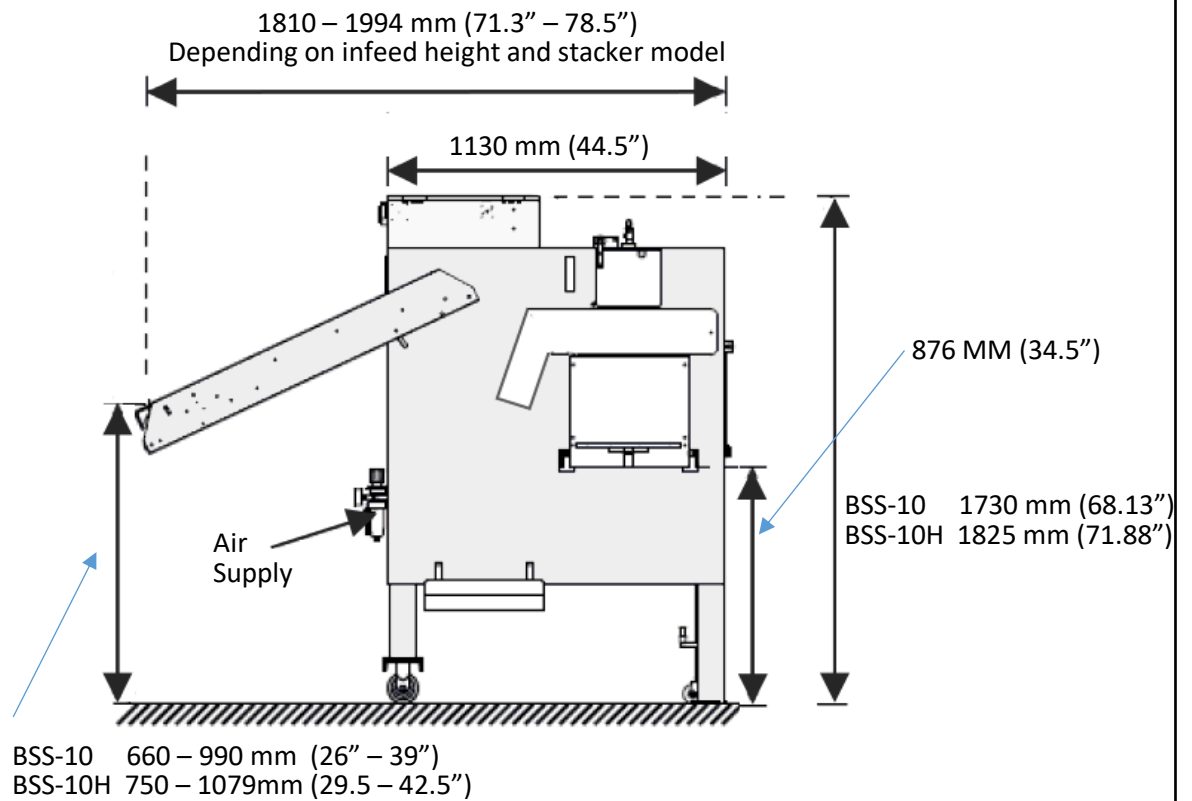
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Other Dimensions



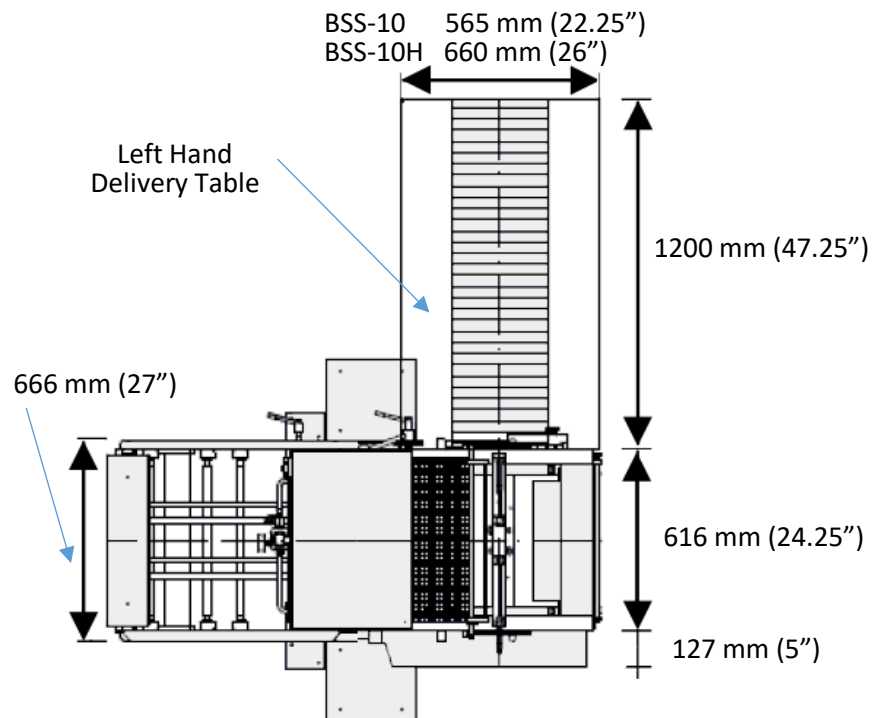
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