

# mitablock PRO

## automatic hotmelt section gluing machine



digibook<sup>+</sup>  
technology

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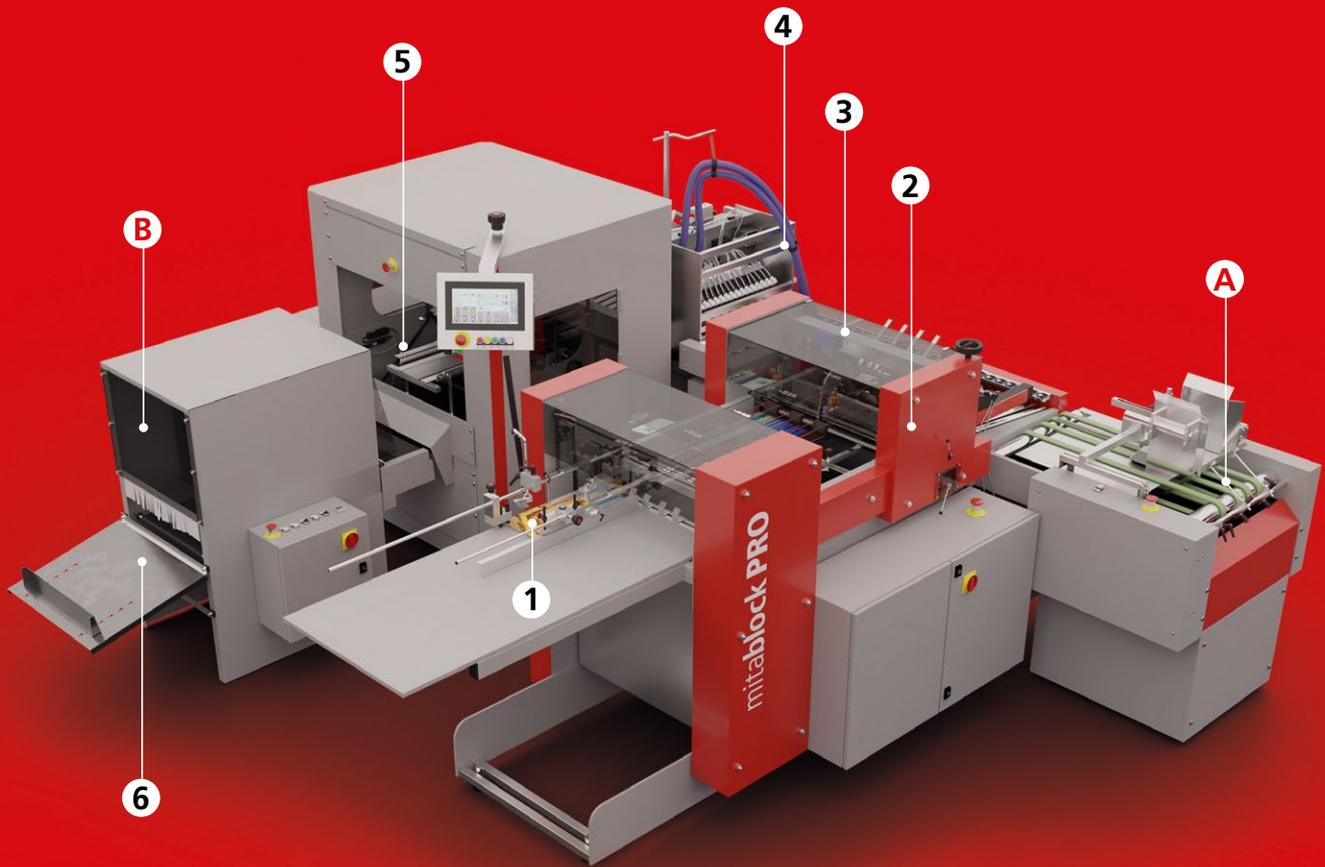
The mitablock PRO is a fully automatic layflat hotmelt section gluing machine designed especially for the production of high-quality layflat book blocks in short to medium-runs. Thanks to the high degree of automation with simple format setup times, ease of operation and comparatively low complexity with good manageability, it achieves a unique position in the layflat book-on-demand sector in the medium speed range (up to 1'700 gluings/h).

### Special features

- ▶ Modular machine design.
- ▶ Clearly arranged work process.
- ▶ Hotmelt gluing with very thin glue application (glue film).
- ▶ Exact spine build-up due to vertical block alignment across the spine. Precise alignment of the folded sheets and setting up of the block during gluing results in an exactly angled Lay Flat book block.
- ▶ Computer-controlled hotmelt application via contact nozzle system. The ability to switch the nozzles on and off means that only the required area of the sheets is glued, thus avoiding unnecessary glue consumption.
- ▶ Simple operation with only one operator and largely motorized quick format adjustment via touch screen monitor. Storage of formats for repeat jobs possible.
- ▶ The glue application system does not require flushing at the end of a shift or during a production interruption.
- ▶ Footprint of approx. 3.9 m x 4.1 m (12.8 ft x 13.5 ft).

### Options

- ▶ **barcode reader**  
in the infeed for verification of materials
- ▶ **barcode printer**  
for marking the neutral book blocks
- ▶ **glue application** width **extended**  
to 437.5 mm (standard 337.5 mm)  
for over size material
- ▶ **card-board feeder**,  
which can also be used  
as an endsheet feeder
- ▶ **inline pressing**  
device at the machine exit
- ▶ **roll unwinder**  
with lateral cutting



1 pile feeder

2 creasing and folding

3 fold pressing

4 hotmelt glueing

5 gathering and pressing

6 exit

A cardboard and/or  
endsheet feeder

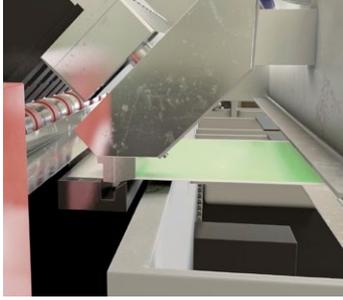
B additional pressing



creasing and folding



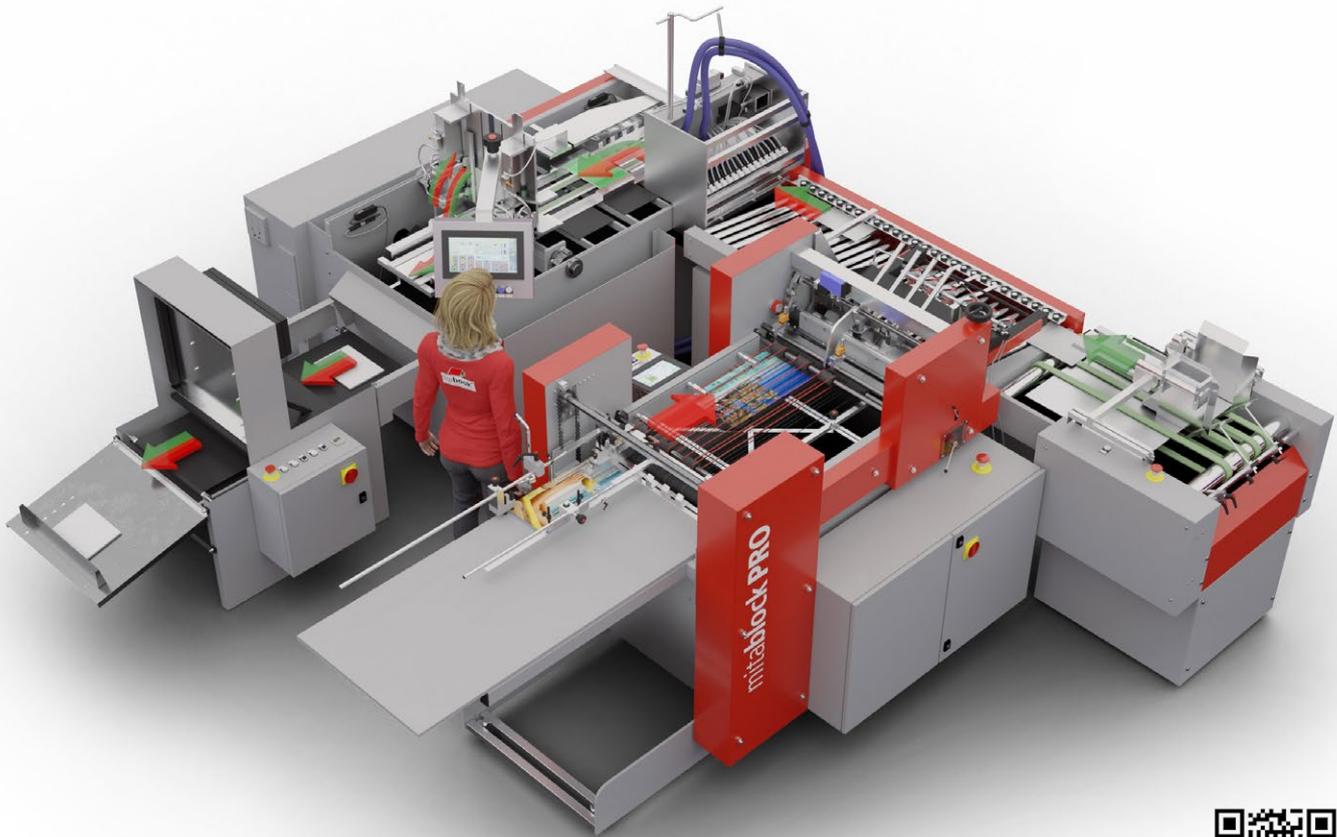
cardboard feeder



hotmelt glueing



block forming station



mitablock PRO



## Technical specifications

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<b>Production speed</b>	up to 1'700 sections/h – depending on size (max. mechanical speed)	
<b>Sheet size open</b> (width x height x thickness) *)	min. 270 mm x 135 mm x 0,15 mm max. 920 mm x 435 mm x 0,30 mm	min. 10 ¾" x 5 ⅝" x 1/128" max. 36 ⅜" x 17 ⅛" x 1/64"
<b><u>Important limitation!</u></b>	Sheet width and height refer to the measurements of the machine guide – The glued area diverges from these dimensions.	
<b>Max. glued area on folded sheet</b> (width x height) *)	337.5 mm x 415 mm (regular glue head) 437.5mm x 415 mm (large glue head)	13 ½" x 16 ¼" (regular glue head) 17 ½" x 16 ¼" (large glue head)
<b>Block thickness</b> *)	min. 2 mm max. 40 mm	min. 5/16" max. 1 ½"
<b>Electrics</b>	15 kW, 400 V, 3 PNE, 50 Hz	
<b>Air consumption</b>	500 NI/min. (6 bar)	
<b>Floor space (closed)</b>	3.90 m x 4.12 m (12.8 ft x 13.5 ft)	
<b>Weight</b>	approx. 3'500 kg (7'800 lbs.)	

\*) In case of deviations between inch and mm, mm is considered binding.

*Technical specifications subject to change without notice*

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