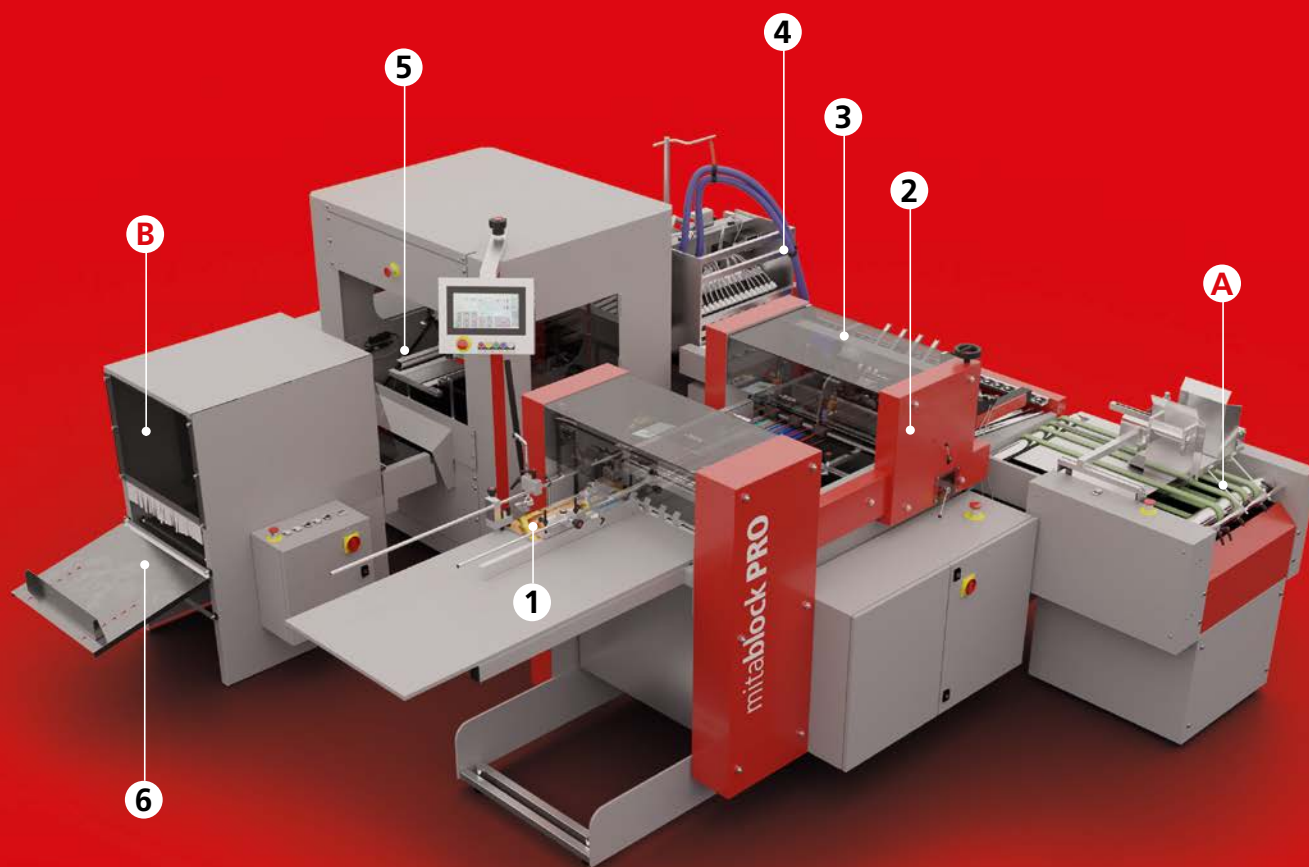


mita**block PRO**

automatic hotmelt section gluing machine



digi**book**⁺
technology



❶ pile feeder

❷ creasing and folding

❸ fold pressing

❹ hotmelt glueing

❺ gathering and pressing

❻ exit

Ⓐ cardboard and/or
endsheet feeder

Ⓑ additional pressing

mita**block PRO**

automatic hotmelt section gluing machine

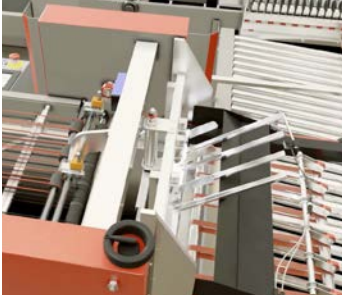
The mita**block PRO** is a fully automatic layflat hotmelt section gluing machine designed especially for the production of high-quality layflat book blocks in short to medium-runs. Thanks to the high degree of automation with simple format setup times, ease of operation and comparatively low complexity 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

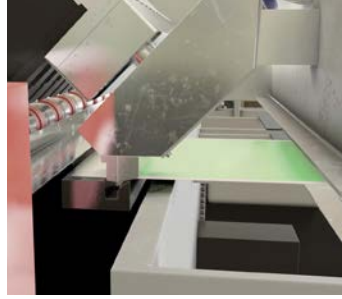
- ▶ **barcode reader**
in the infeed for verification of materials
- ▶ **barcode printer**
for marking the neutral book blocks
- ▶ **glue application** width **extended**
to 437.5 mm (standard 337.5 mm)
for over size material
- ▶ **card-board feeder**,
which can also be used
as an endsheet feeder
- ▶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



creasing and folding



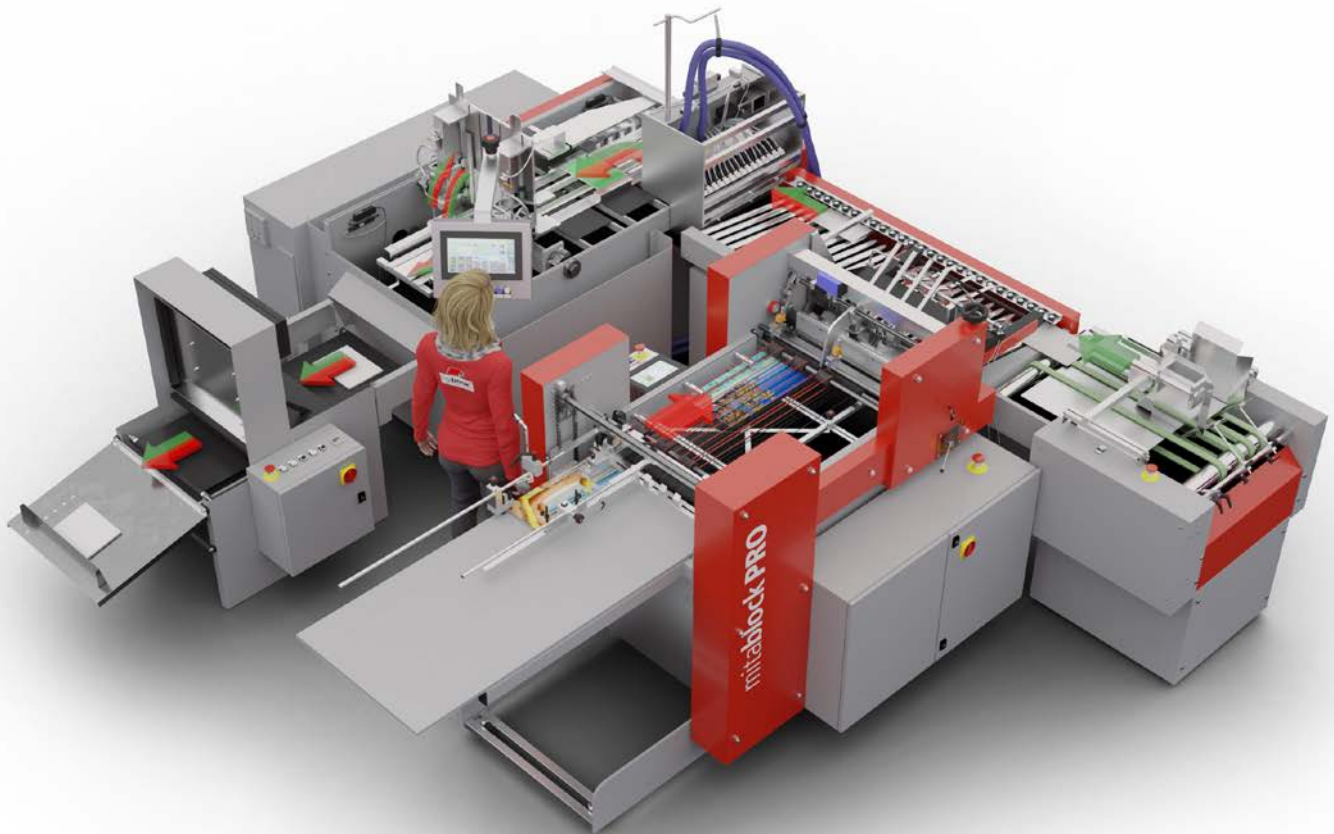
cardboard feeder



hotmelt glueing



block forming station



mitablock PRO

Workflow

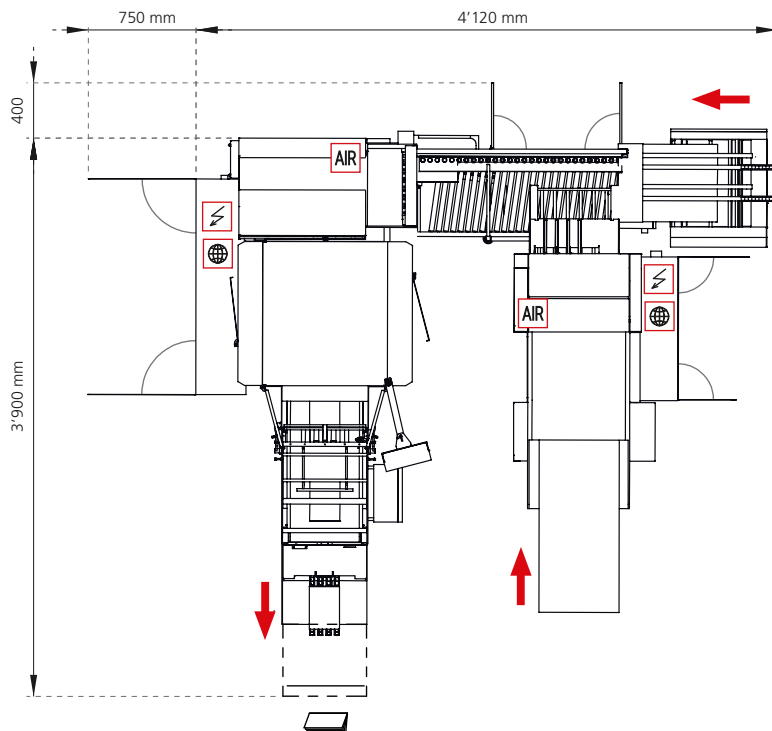
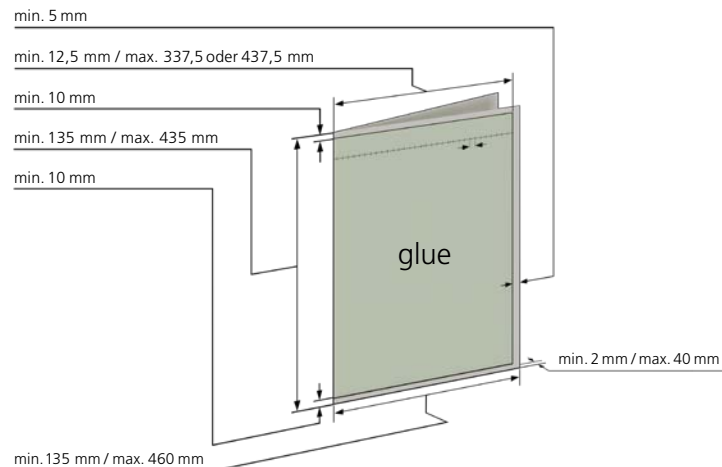
The mita**block PRO** is set up via data input or “recipe retrieval” on the touch screen. One-side printed sheets are fed from a pile feeder to the creasing and folding unit.

The quarter sheets produced here, once folded, pass through an additional fold pressing unit that ensures a sharp fold. By means of an additional cardboard feeder, it is possible to insert cardboards between the folded sheets.

The sheets and cardboards are then glued over the entire surface with hotmelt glue using a contact nozzle system (the first sheet of a block remains unglued). The sheets are placed precisely on a vacuum arm.

By flipping up the arm, the single-sided glued signature is brought into an upright position and pressed together with the preceding signatures on a platform. This creates a perfectly rectangular book block on the platform. When the last sheet is pressed, the complete book block is pressed one last time and then taken over by the vacuum arm and placed horizontally in the delivery. An additional pressing station at the delivery is available as an option.

formats glued folded sheet



Technical specifications

Production speed	up to 1'700 sections/h – depending on size (max. mechanical speed)	
Sheet size open (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 ⅛" max. 36 ⅜" x 17 ⅛" x ⅛"
<u>Important limitation!</u>	Sheet width and height refer to the measurements of the machine guide – The glued area diverges from these dimensions.	
Max. glued area on folded sheet (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)
Block thickness *)	min. 2 mm max. 40 mm	min. ⅝" max. 1 ½"
Electrics	15 kW, 400 V, 3 PNE, 50 Hz	
Air consumption	500 NI/min. (6 bar)	
Floor space (closed)	3.90 m x 4.12 m (12.8 ft x 13.5 ft)	
Weight	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

Digibook Technology Sagl
Via Angelo Maspoli 21
CH- 6850 Mendrisio, Switzerland
T +41 91 6467930
F +41 91 9932250
info@digibook.tech
www.digibook.tech

Digibook Service GmbH
Steinbergstraße 3
DE- 04288 Leipzig, Germany
T +49 34297 919709
F +49 34297 919711
service@digibook.tech
www.digibook.tech

Digibook Technology USA, Inc.
7905 North Route 130
Pennsauken, NJ 08110, USA
T +1 510 507-3811
info@digibook.tech
www.digibook.tech