

mita**book**

hardcover casing-in machine without a wing



digi**book**⁺
technology

mitabook

hardcover casing-in machine without a wing

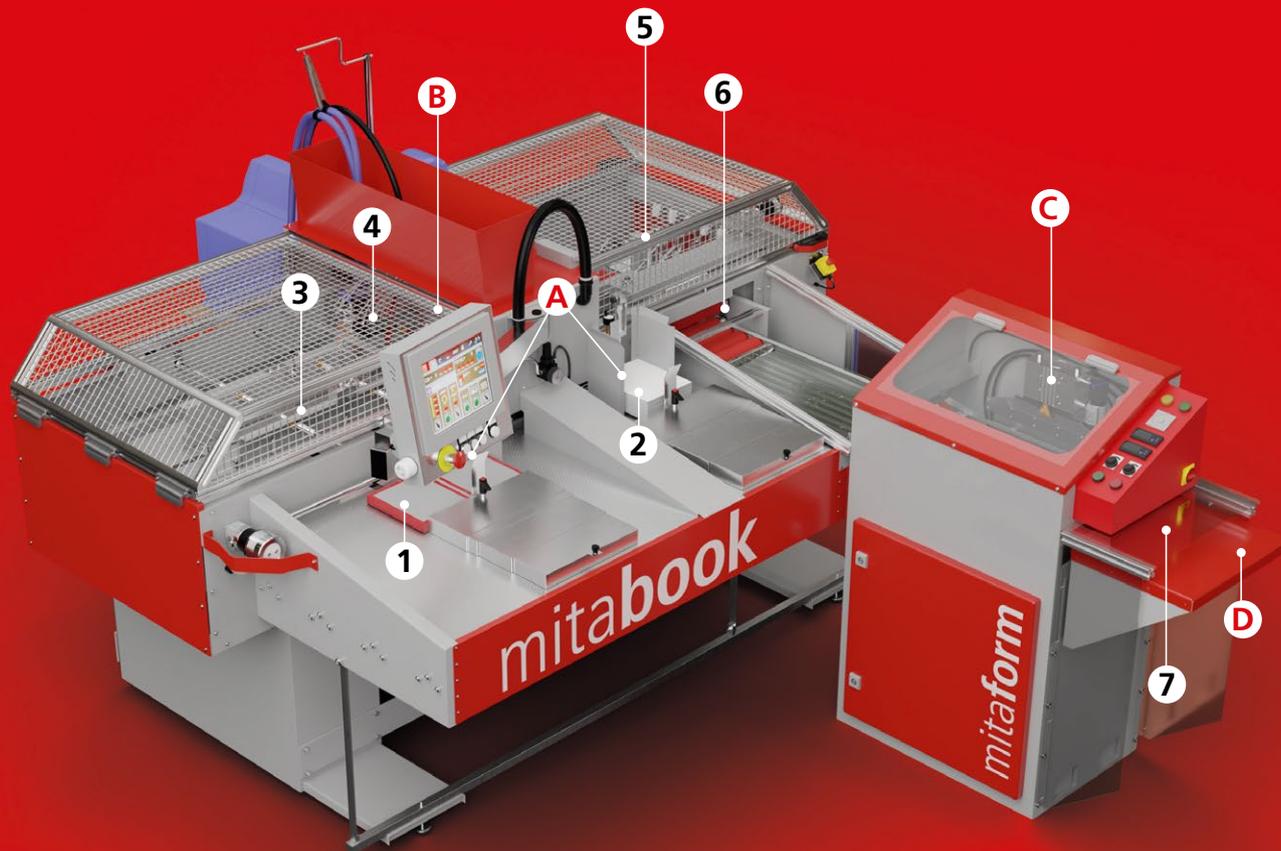
The mitabook is a fully automatic casing-in machine designed especially for the production of high-quality hardcover books in single to short-runs. Thanks to its high degree of automation with simple format setup times, ease of operation, and comparatively low complexity and space requirements, it has achieved a unique position in the hardcover book-on-demand sector in the lower speed range (up to 400 books/h).

Special features

- ▶ The concept of the “wingless casing-in” avoids marks and scratches inside the book. PUR perfect bound book blocks can be processed even before they are fully cured.
- ▶ Only one operator to load the book blocks and covers and to take off the finished pressed and spine-formed books.
- ▶ Easy operation and motorized quick format adjustment via central touch screen monitor. Storage of formats with absolute repeatability after format changes.
- ▶ Use of hotmelt glue so that moisture does not run off either into the book cover or into the book block.
- ▶ No need to flush the gluing system either during interrupted use or at the end of work day.
- ▶ Small footprint of only approx. 2 m x 2.6 m (6,6 ft x 8.5 ft)

Options

- ▶ **barcode recognition:** Verification that a case belongs to a book block.
- ▶ **hotmelt glue application nozzles:** An additional glue line in the fold allows for a stable and durable spine.
- ▶ **automatic thickness measurement:** By measuring the thickness of the book block and the width of the spine, the machine can adjust to different thicknesses “on the fly”.
- ▶ **joint forming station mitaform:** By applying heat and pressure, the hotmelt in the joint can be reactivated and a visually distinct and precisely defined fold is achieved.
- ▶ **stacking table** option can be integrated in the mitaform.
- ▶ **Infeed belt** conveyor option is ideal for handling book blocks of different thicknesses.



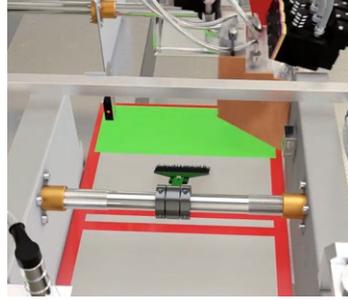
- 1 case feeder
- 2 block feeder
- 3 book channel
- 4 hotmelt spraying unit

- 5 case flipping
- 6 pressing
- 7 exit

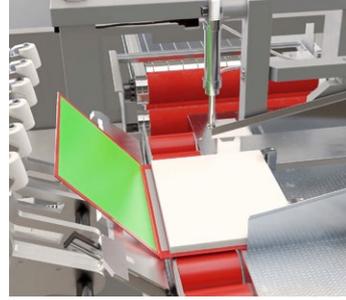
- A barcode check
- B block thickness measurement
- C joint forming and pressing
- D stacking table



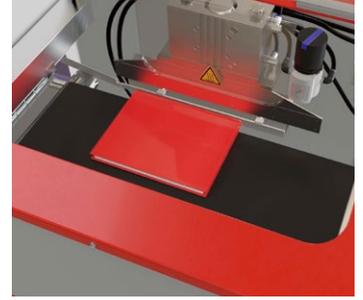
case feeder



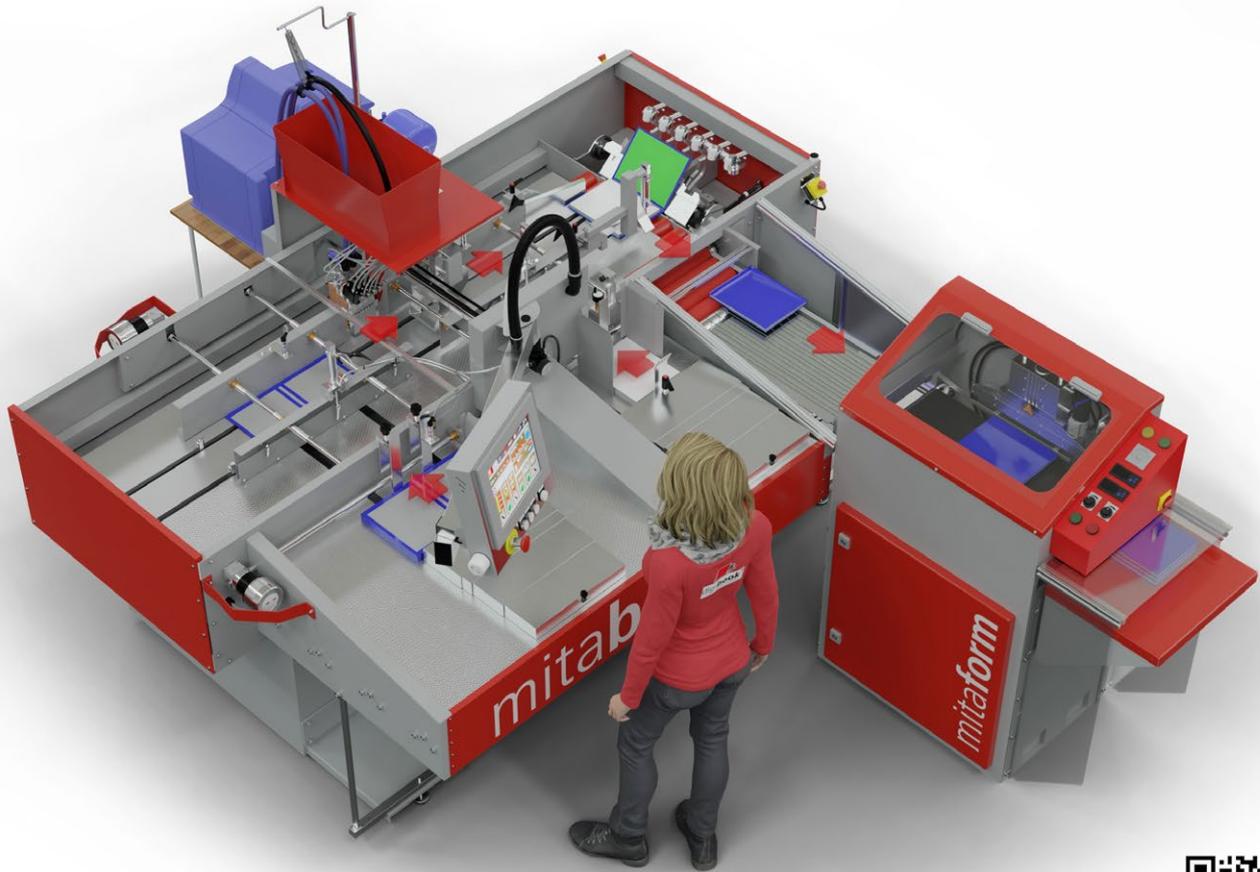
hotmelt spraying unit



case flipping



joint forming mitaform



mitabook

mitabook

Technical specifications

Production speed	up to 7 books/min – depending on size	
Format change	1 – 2 minutes	
Book block (width x height x thickness) *)	min. 145 mm x 125 mm x 2 mm max. 350 mm x 410 mm x 40 mm	min. 5 ¾" x 4 15/16" x 5/64" max. 13 ¾" x 16 1/8" x 1 9/16"
Open case (width x height x thickness-spine) *)	min. 320 mm x 130 mm x 1,5 mm – 6 mm max. 750 mm x 420 mm x 5 mm – 45 mm	min. 12 5/8" x 5 1/8" x 1/16" – 1/4" max. 29 1/2" x 16 1/2" x 3/16" – 1 3/4"
Finished book (width x height x thickness) *)	min. 150 mm x 130 mm x 6 mm max. variable **) x 420 mm x 45 mm	min. 6" x 5 1/8" x 1/4" max. variable **) x 16 1/2" x 1 3/4"
Electrics	7 kW, 400 V, 3 PNE, 50 Hz	
Air consumption	110 NI/min. (6 bar)	
Floor space (closed)	2.00 m x 2.60 m (6.6 ft x 8.5 ft)	
Weight	approx. 1'000 kg (2'000 lbs)	

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

**) Limitation as a result of spine width and max. open case size. Maximal book width: 368 mm (at minimum spine-width).

Technical specifications subject to change without notice

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