

mita**trim**
3-side trimmer



digi**book**⁺
technology

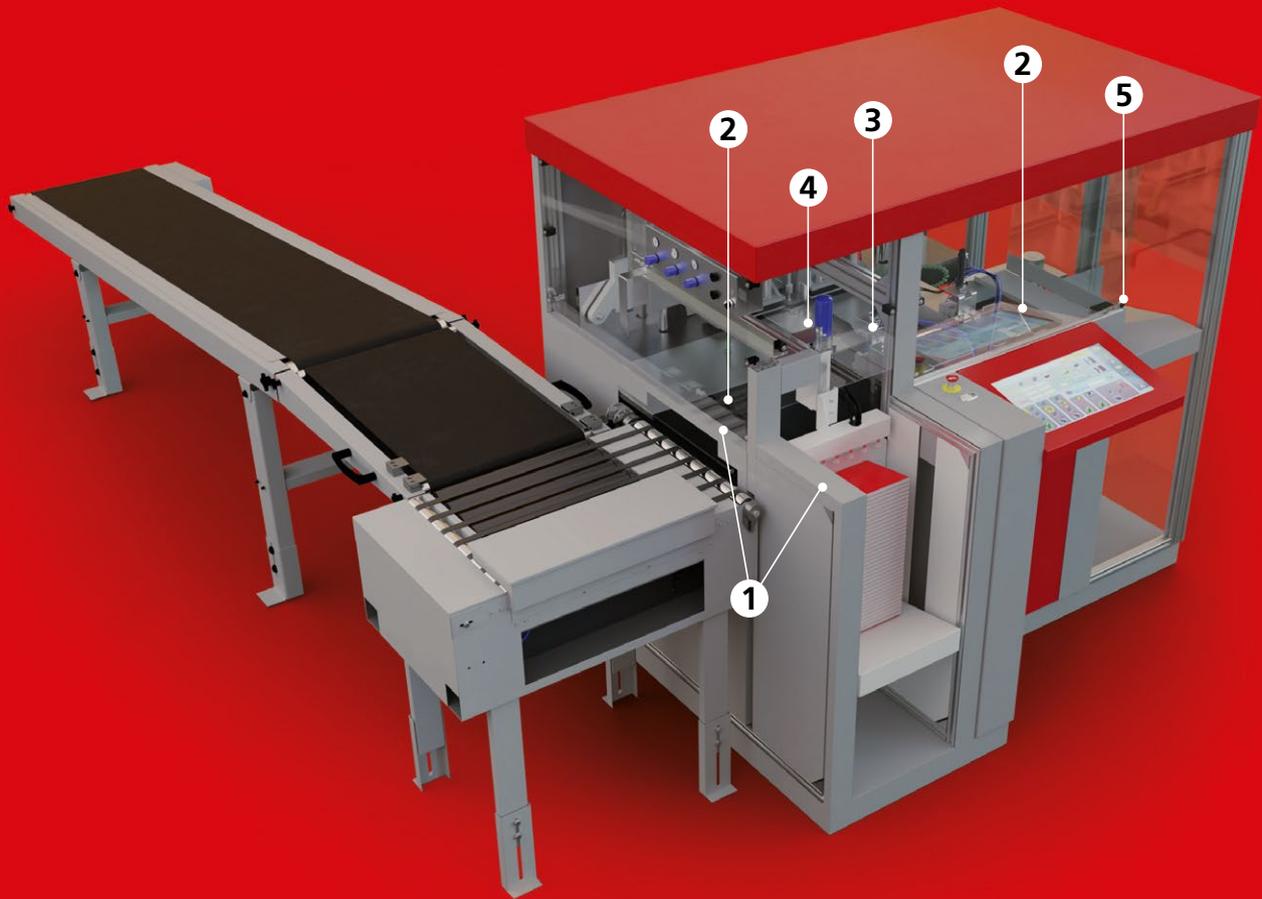
mitatrim

3-side trimmer

The mitatrim is a fully automatic 3-side trimmer designed in particular for cutting hardcover book blocks and/or softcover books in single and short-runs. Thanks to the inline connection and the high degree of automation simple format setup times, ease of operation and comparably low complexity and space requirements, it achieves a unique position in the hardcover book-on-demand sector in the lower speed range (up to 220 blocks/h).

Special features

- ▶ Automated cutting of booklets and/or book blocks (also layflat)
- ▶ Simple operation by only one operator (in offline mode) and motorized quick format adjustment via central touch screen monitor. Storage of formats with absolute repeatability after format changes. Menu-guided program creation by entering only a few format data
- ▶ Inline and offline operation possible – the inline combination especially with the mitablock PRO and the mitabind with the help of the barcode options allow the setup of an easy-to-operate production cell with low manpower requirements
- ▶ Variable formats from product to product without changing parts and setup times
- ▶ Cutting cell easily accessible for fast and simple knife changes
- ▶ Small footprint of only approx. 1.8 m x 2.2 m (6 ft x 7.3 ft) (offline setup)



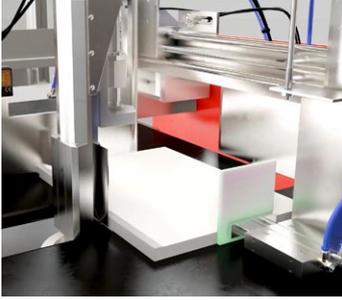
1 block-/book feeder

2 transport belt

3 pick and place

4 pressing bar and knife

5 exit



alignment of block



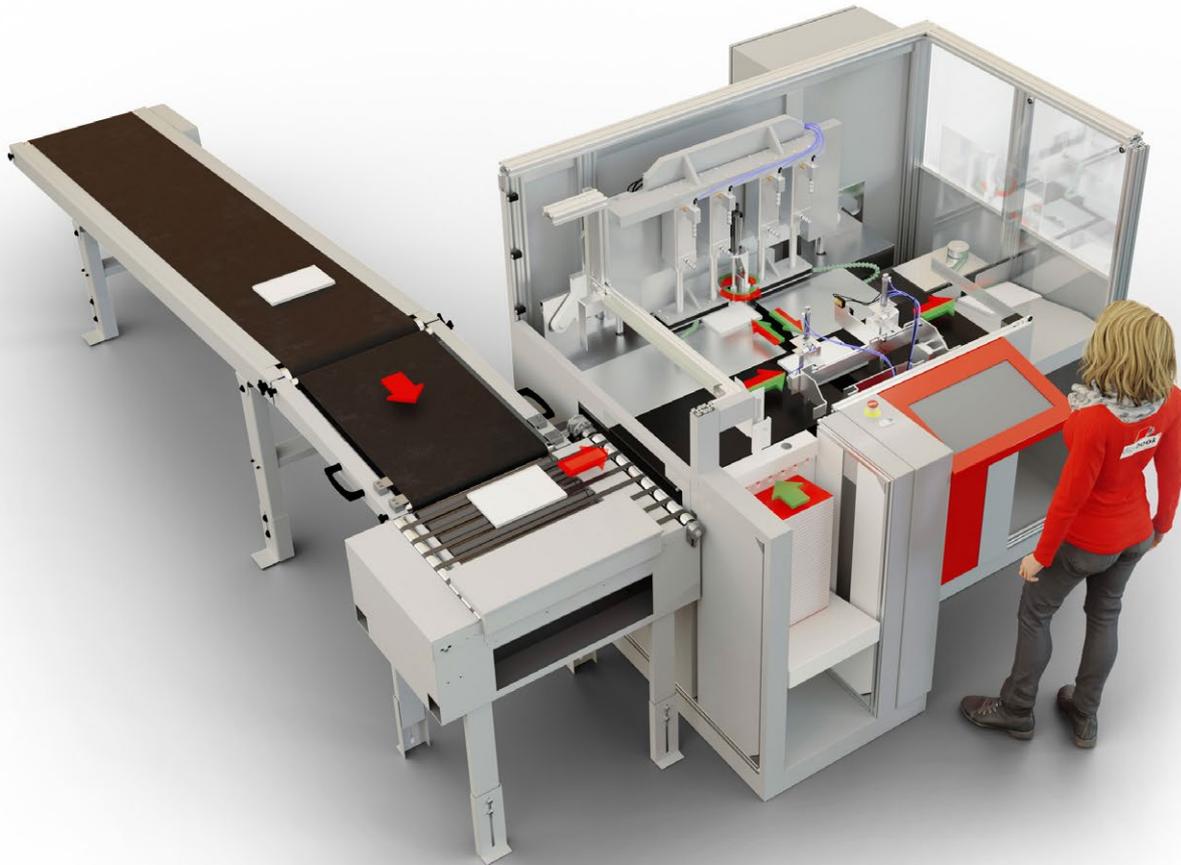
pressing bar



knife



exit



mitatrim

Operation

The mita**trim** 3-side trimmer is the machine for automated cutting of perfect bound or layflat glued book blocks.

The mita**trim** is set up via data input or “recipe retrieval” on the touch screen or via barcode control. The machine can be operated stand-alone or inline. In both cases, the product to be cut is fed into the machine, where it is brought into the 3 respective cutting positions by a moving and rotating gripper. The cuts are made hydraulically, allowing the dwell time of the knife at bottom dead center to be adjusted to the material.

The robust cutting unit guarantees a precise cut that is gentle on the material. The siliconizing unit (option) ensures that no cutting residues adhere to the knife.

The pressing pressure can be infinitely adjusted to any material to be cut within a wide adjustment range. After the 3 cuts, the finished product is placed on a stacking table in the machine.

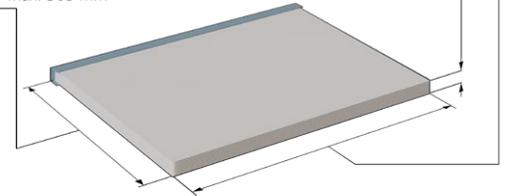
Recurring cutting sequences can be stored and adjusted at any time. Set-up times can thus be reduced to almost zero.

raw formats

min. 152 mm / max. 330 mm

min. 2 mm / max. 51 mm

min. 107 mm / max. 305 mm

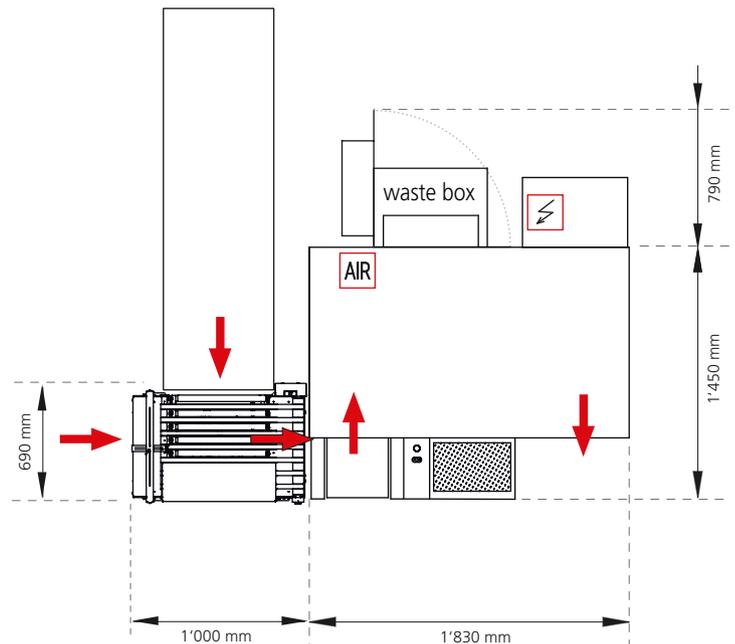
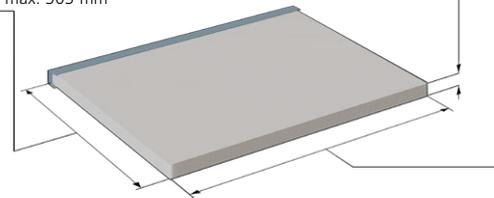


finished formats

min. 148 mm / max. 326 mm

min. 2 mm / max. 51 mm

min. 105 mm / max. 303 mm



Technical specifications

mitatrim

Performance	up to 220 books/h (single block) up to 600 books/h (multiple blocks)	
Block size untrimmed (width x height x thickness) *)	min. 107 x 152 mm x 2 mm max. 305 x 330 mm x 51 mm	min. 4 1/4" x 6" x 5/64" max. 12" x 12 7/8" x 2 1/64"
Book block size trimmed (width x height) *)	min. 105 x 148 mm max. 303 x 326 mm	min. 4 1/8" x 5 7/8" max. 11 1/8" x 12 3/4"
Head / front / foot cut *)	min. 2 mm / 2 mm / 2 mm max. 91 mm / 200 mm / 91 mm	min. 5/64" / 5/64" / 5/64" max. 3 1/2" / 5 7/8" / 3 1/2"
Clamp pressure	min. 200 daN max. 600 daN	
Electrics	3.5 kW, 400 V, 3 PNE, 50 Hz	
Air consumption	380 Nl/min. (6 or 8 bar)	
Floor space (closed)	1.83 m x 2.22 m (6 ft x 7.3 ft)	
Weight	approx. 1'230 kg (2'800 lbs.)	

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

Technical specifications subject to change without notice

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