

mita**trim** PRO  
3-knife-trimmer



digi**book**<sup>+</sup>  
technology

# mitatrim PRO

## 3-knife-trimmer

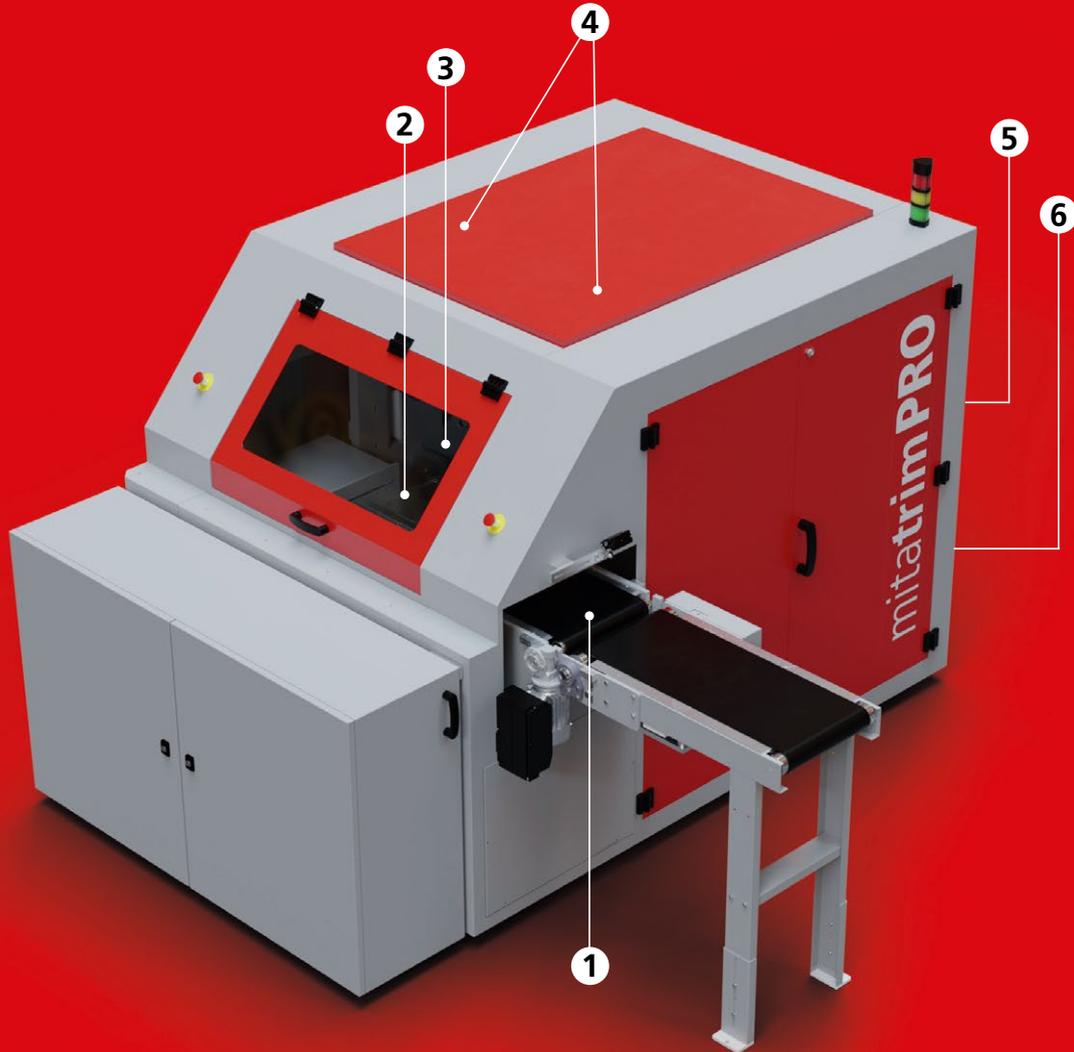
The mitatrim PRO is a fully automatic 3-knife trimmer designed especially for cutting hardcover book blocks and/or softcover books in short and medium-runs. Thanks to the inline connection and the high degree of automation simple format setup times, ease of operation and comparably low complexity and space requirements, it achieves a unique position in the hardcover book-on-demand sector in the medium speed range (up to 1'800 blocks/h).

### Special features

- ▶ Automated cutting of brochures and/or book blocks (also layflat)
- ▶ 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.
- ▶ Automatic format data import via bar-, QR- or Data Matrix-code possible
- ▶ Inline and offline operation possible – the inline combination in particular with mitabind and mitabind PRO with the help of the barcode options allow the setup of an easy-to-operate production cell with low personnel requirements
- ▶ Variable formats from product to product without changing parts and setup times
- ▶ Small footprint of approx. 2.5 m x 2.7 m (8.1 ft x 8.7 ft) (offline setup with infeed from the side)

### Options

- ▶ **infeed on the left**  
depending on space conditions and layout
- ▶ **barcode reader**  
for automatic format adjustment
- ▶ **silicone spraying**  
device to maintain a clean knife
- ▶ **cut off conveyor**
- ▶ **infeed belts**  
according to layout
- ▶ **stacker**  
in the outfeed with buffer roll conveyor



- 1 infeed
- 2 block pusher
- 3 front cut

- 4 head and tail cut
- 5 block exit
- 6 cut-off exit over belt



block feeding



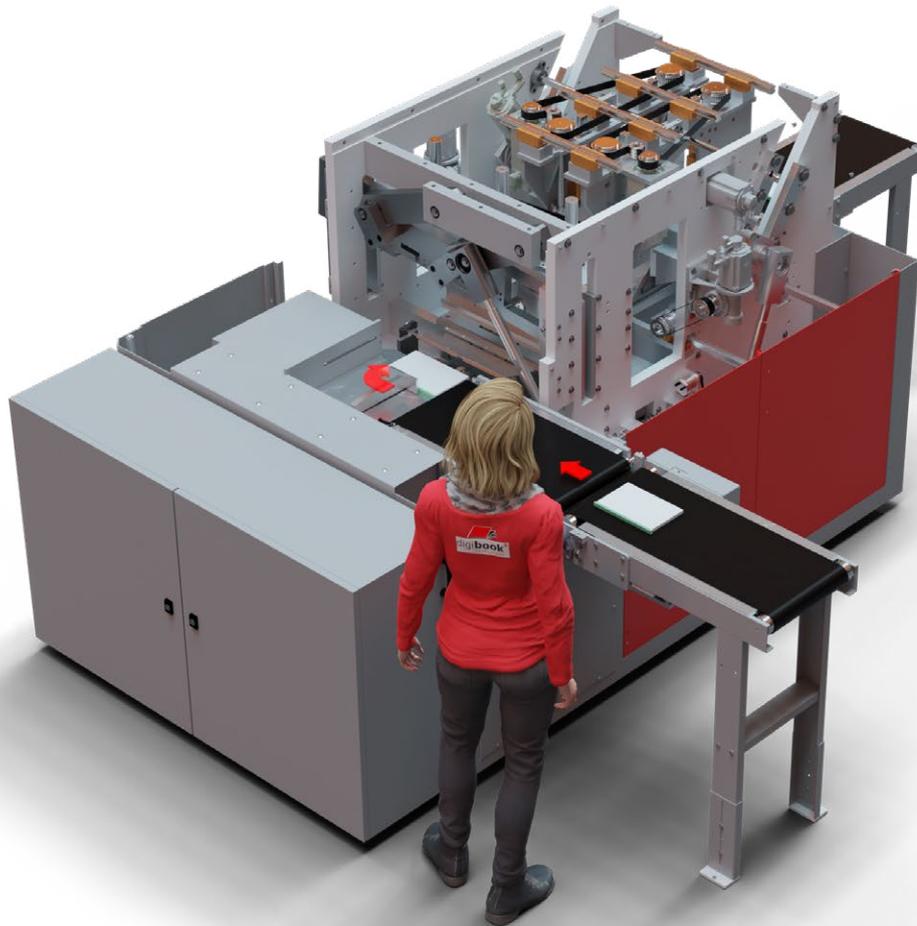
pusher to front cut



internal transport to second cutting station



head and tail pressing and cutting



mitatrim PRO

## Operation

The mitatrim PRO 3-knife trimmer is the machine for automated trimming of perfect bound or layflat glued book blocks.

The mitatrim PRO 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. Due to the adapted speed range, the combination with the mitabind PRO is optimal.

Both the format change and the thickness adjustment to the products to be cut are performed automatically, with all relevant components of the machine being adjusted by servo motors. No changing parts such as press plungers and cutting tables are necessary.

Before entering the first cutting station, where the front cut is made, the book block is precisely aligned. In the second station, the head and foot trims take place. Here, too, precise lateral and frontal alignment is carried out before the trim. The siliconizing unit (optional) ensures that no trim residue sticks to the head and foot knives. The finished trimmed product is then transported to the exit.

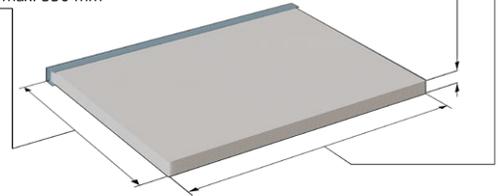
Cut offs are removed from the machine by another conveyor below the product delivery. Combinations with both a stacker (option) and a cut off conveyor (option) are possible.

### raw formats

min. 160 mm / max. 390 mm

min. 3 mm / max. 60 mm

min. 110 mm / max. 330 mm

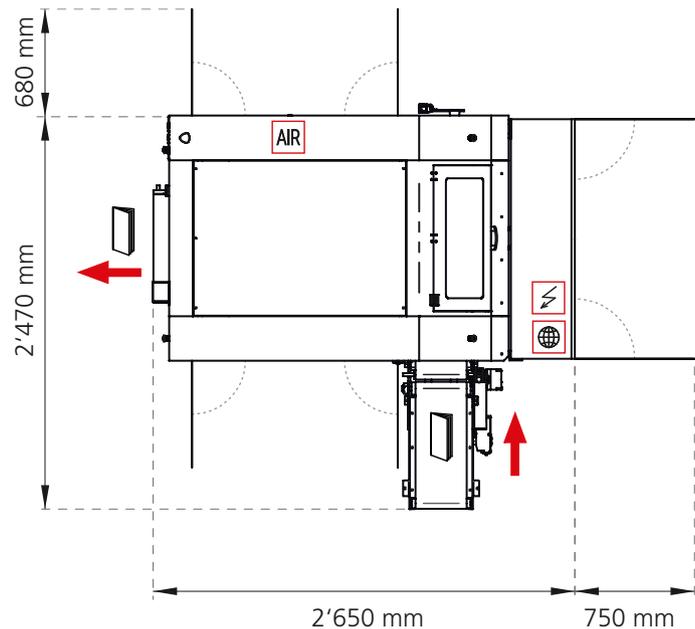
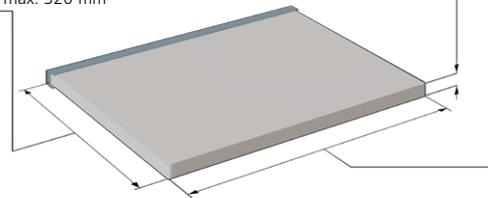


### finished formats

min. 150 mm / max. 380 mm

min. 3 mm / max. 60 mm

min. 100 mm / max. 320 mm



## Technical specifications

# mitatrim PRO

<b>Production speed</b>	up to 25 books / min	
<b>Book size untrimmed</b> (width x height) *)	min. 110 mm x 160 mm max. 330 mm x 390 mm	min. 4 5/16" x 6 5/16" max. 13" x 15 5/16"
<b>Book size trimmed</b> (width x height) *)	min. 100 mm x 150 mm max. 320 mm x 380 mm	min. 3 7/8" x 5 7/8" max. 12 9/16" x 14 5/16"
<b>Book thickness</b> *)	min. 3 mm max. 60 mm	min. 1/8" max. 2 5/16"
<b>Electrics</b>	32 A, 400 V, 3 PNE, 50 Hz	
<b>Air consumption</b>	1'200 NI/min (6 bar)	
<b>Floor space (closed with infeed)</b>	2.47 m x 2.65 m (8.1 ft x 8.7 ft)	
<b>Weight</b>	approx. 3'000 kg (6'700 lbs.)	

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

*Technical specifications subject to change without notice*

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