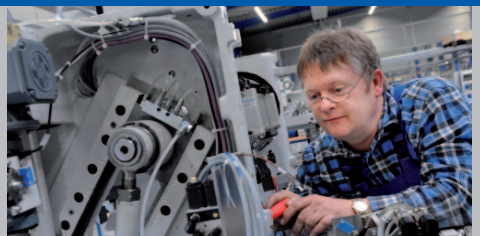
wohlenberg®

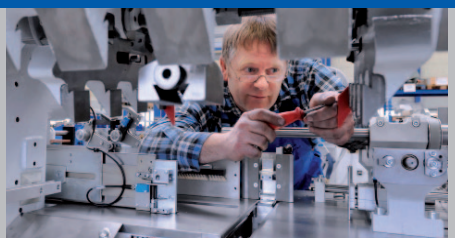
trim-tec 45i

Tried and reliable.

Inline three-knife trimmer with integrated counter stacker for perfect binding systems in the lower and medium speed range.



For years already Wohlenberg three-knife trimmers are well known for their one-piece machine frame which guarantees a long-lasting constant trimming quality. Whether single copies or piles – what counts is an accurate trim. The robust construction provides for a long life time and high product reliability. This is one of the reasons why the trim-tec 45i is built since many years.



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Via a conveyor belt the products are transported into the integrated counter stacker which can be used in two different modes:

1. Counter operation
Thin products of 2 – 10 mm thickness are counted photo-electrically in the upper magazine and then lowered onto the machine table, meanwhile the following pile is already formed.

2. Pusher operation
In case of thicker products, as of approx. 10 mm thickness, we recommend pile formation directly on the machine table. The pile height is determined by the height-adjustable sliding bar and scraper.

Of course also single copies can be transported and trimmed. Infeed into the trimming station, clamping, trim and delivery are fully automatic. The two-revolution infeed carriage control guarantees a gentle infeed of the products and a quick gripper return. A standard feature is the 'no book- no cut control' which adds to the life time of the knives and minimizes the power consumption.

The swinging shearcut on all three knives provides for a perfect trimming result, even with difficult cover material. The quick pressure spring clamping is adjustable even during operation. The three-knife trimmer further provides a gripper delivery with belt. No manual greasing points are required.

The machine is supported by a central lubrication. Short set-up times are achieved by the AP auto-positioning system, a motor-driven automatic change-over positioning for format- and knife change.

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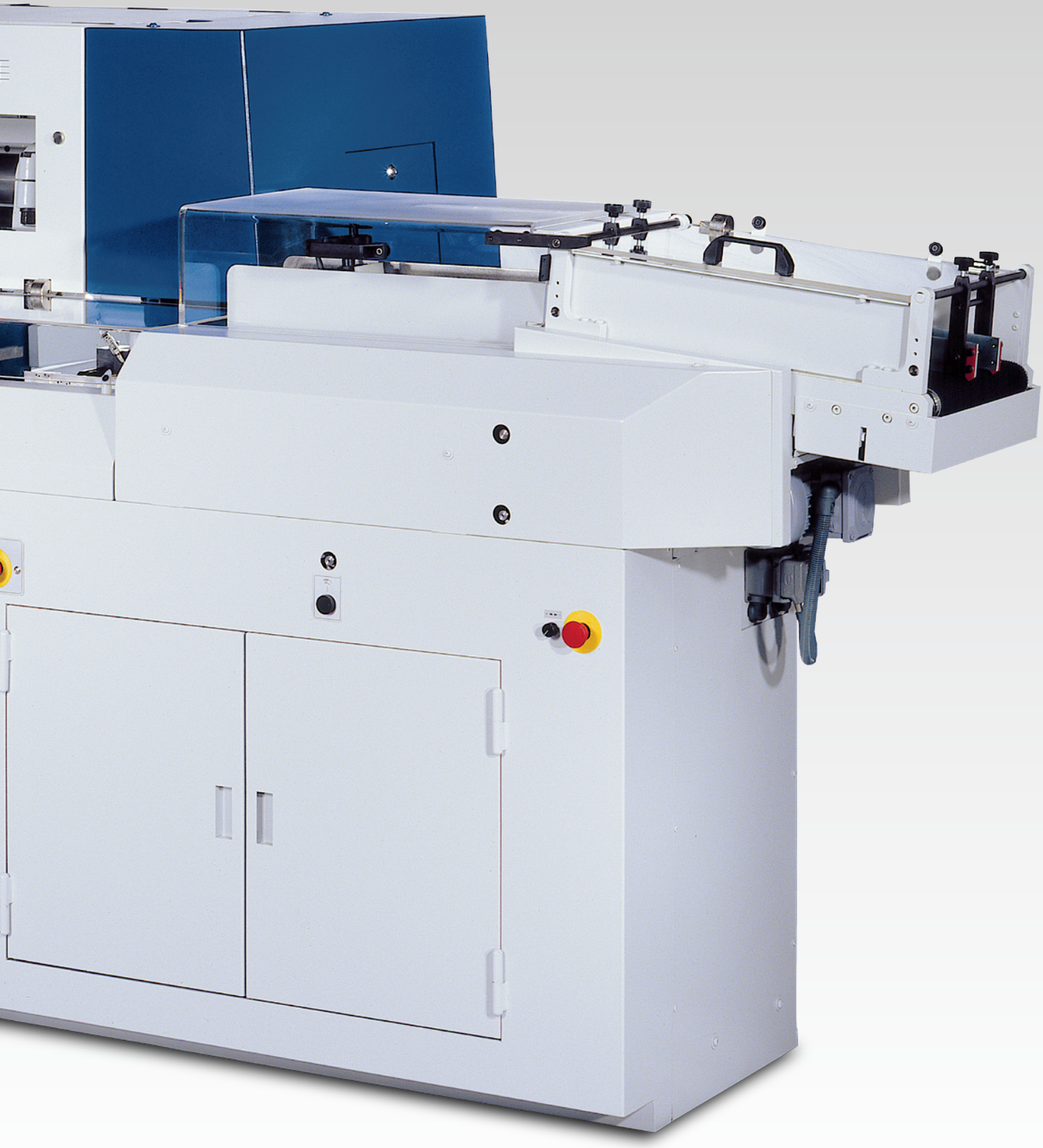
A further contribution on the trim-tec 45i to operator's convenience is the new graphical user interface. Via the touch-screen various machine functions can be selected by just touching the screen. Information as product counter or error messages is displayed as clear text.



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Convincing advantages

- Inline three-knife trimmer with integrated counter stacker
- Graphical user interface
- AP: Automatic change-over positioning
- Quick change-over from pusher- to counter operation
- Adjustable clamp pressure, even during production
- Pneumatic head gauge
- Product positioning without belts
- Three-sided swinging shear cut
- Silicone-spray device for side knives
- Quick-change system for front and side knives
- 9 cutting tables including rack and 5 clamp plates
- Fully automatic lubrication system with low-level-control
- Pile delivery via grippersystem
- Delivery belt
- Off-cut chute
- One-piece machine frame
- CE-certificate

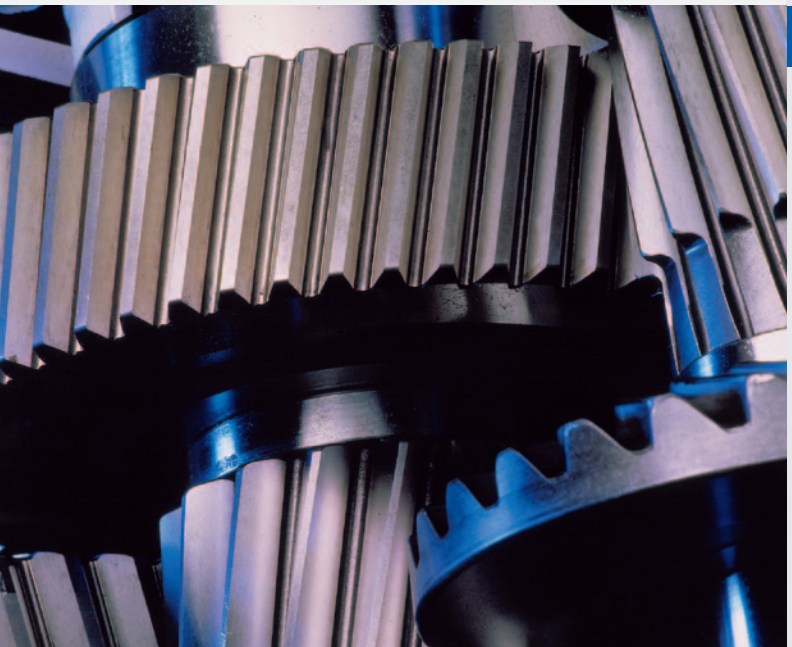
Technical data

Mech. speed	900 – 2700	Cycles/h*
Format range untrimmed		
Product height	145 – 410	mm
Product width	100 – 310	mm
Format range trimmed		
Product height	145 – 380	mm
Product width	100 – 300	mm
Head / tail trim	1 – 25	mm
Front trim	0 – 24	mm*
Pile height	10 – 100	mm

* The net performance depends on the material to be processed and the product type. The front trim depends on the pile height.

Optional formats

	Small format	
Product height untrimmed	min. 105 mm	max. 410 mm
Product width untrimmed	min. 75 mm	max. 310 mm
Product height trimmed	min. 100 mm	max. 380 mm
Product width trimmed	min. 65 mm	max. 300 mm



System enhancement (optional)

- Small format kit
- Off-cut funnel – for connection to a central off-cut disposal
- Format plates - plus, size-plate change system

Wohlenberg
Buchbindesysteme GmbH
Nikolaus-Kopernikus-Straße 7
D-27283 Verden/Aller - Germany
Telephone: +49 (0) 4231 775-0
Telefax: +49 (0) 4231 9897-0
e-mail: sales@wohlenberg.com
www.wohlenberg.com

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