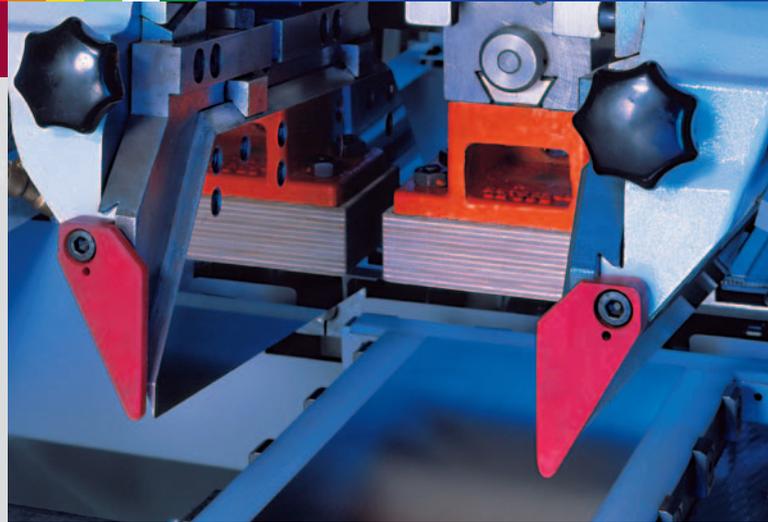




Post Press Company



Three-Knife Trimmers **trim-tec** 75i, 60i, 45i, 56o, 30o

wohlenberg[®]



trim-tec 75i

Inline High-Speed Three-Knife Trimmer with integrated Counter Stacker for production lines in the upper speed range:
Up to 75 cycles/min. = 4500/h single copies or max. 10.500 books/h in piles (and up to 14.000 books/h, when the products are shingle-fed).
Max.size 300 x 380 mm,
Min.size 100 x 145 mm.

trim-tec 60i

Inline Three-Knife Trimmer with integrated Counter Stacker for production lines in the medium and upper speed range:
Up to 60 cycles/min. = 3.600/h single copies or max. 7.500 books/h in piles.
Max.size 300 x 400 mm
Min.size 85 x 145 mm.

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The Wohlenberg Three-Knife Trimmers

Maximum Performance for Maximum Standards

Increasing demands on the bookbinders

Ever decreasing job runs, increasingly variable product sizes including thickness, are required to be finished at very short notice. The requirement for the standard of quality for laminated, full surface printed, and mark sensitive covers, are further increased.

Less bottlenecks during the perfect binding process

Constantly shorter reset cycles demand for new, made-to measure inline-concepts. World-wide recognised new and advanced machine features and consequent further developments are the hallmarks of the new Wohlenberg Three-Knife Trimmer generation.

Extra time for other jobs

Quick-change devices for knives, clamp plates, plate tables and gripper arms ease the operator's work.

Content customers through constant high quality

Machine frames cast in one piece have long since been the guarantee for the long lasting cutting accuracy of our machines.

Important features for a Three-Knife Trimmer

Reliability, especially for inline production. Robust construction for a long service life.

Precision trimming of single copies and piles. That is what made Wohlenberg Three-Knife Trimmers world-wide famous. More than 5000 installed machines prove this.

trim-tec 45i

Inline Three-Knife Trimmer with integrated Counter Stacker for production lines in the lower and medium speed range:

Up to 45 cycles/min. = 2.700/h single copies or max. 7.500 books/h in piles.

Max. size 300 x 380 mm, Min. size 100 x 145 mm.

trim-tec 56o

The all-purpose Three-Knife Trimmer with automatic feeding. Stand-alone unit with manual feed or inline, also mixed operation.

Up to 56 cycles/min. = 3.360/h single copies or 3.360 piles/h.

Max. size 300 x 380 mm, Min. size 90 x 145 mm.

trim-tec 30o

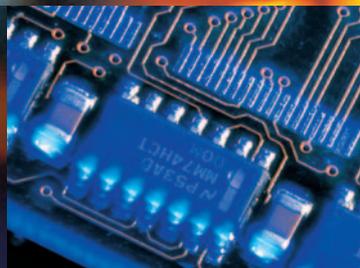
The Three-Knife Trimmer for manual feeding for medium and smaller runs. Motorised auto-positioning AP with operator guidance.

Up to 15 cycles/min. working speed.

Also suited for thin copies down to 2 mm.

Max. size 300 x 440 mm, Min. size 70 x 80 mm.

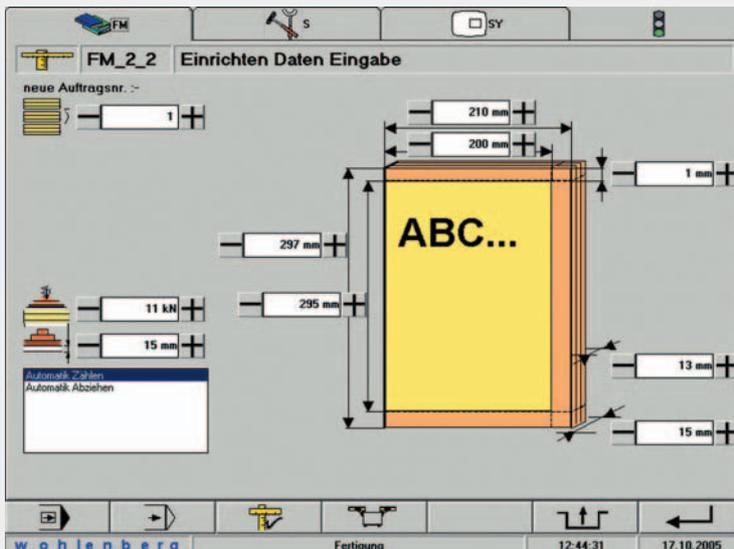
Navigator and Navigator SE
*Control-System with
Graphical User Interface*



Wohlenberg control Navigator and Navigator SE



Set-up mask



To facilitate the handling of especially complex three-knife trimmer systems as the trim-tec 76i and the trim-tec 60i Wohlenberg created a completely new control generation under the name of Navigator and Navigator SE. Outstanding performance feature of this new control is the graphically interactive user interface, guiding the operator easily and structured through the various control menus.

In addition, the Navigator and Navigator SE presents the interface between the Three-Knife Trimmer and the master control system bind-com®, as such providing the basis for a further automation of the three-knife trimmer system and the qualification to integrate the Three-Knife Trimmers into a CIP4/JDF-workflow.

Outstanding Performance Features

- easy handling through touch-screen-display and self-explaining, graphically interactive operator's guide
- input of only a few product key sizes for setting up a job
- option for job data input before and during the running production (cutting-time parallel change-over) with integrated plausibility check
- correction of important setting parameters during machine operation
- detailed error diagnosis with photos, circuit diagrams and detailed guide how to proceed for error finding and -elimination
- statistic module for evaluating job- and machine-data for controlling purposes

The control's performance range comprises the following modules

Module Job Engineering*

- input of the head job data
- input and check of job parameters

Module Production

- preparing the next job (even during running production)
- guided set-up of the new job
- correction of settings with the machine running
- saving of current job settings
- saving of production data

Module Statistic*

- statistical evaluation of job data
- statistical evaluation of machine data

Module Service

- amending the basic settings of the machine

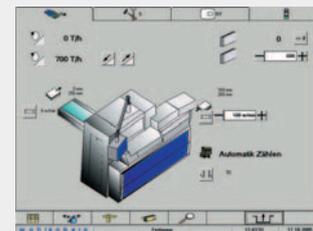
Module Maintenance*

- automatic maintenance hints
- maintenance history

Module Help*

- program help
- machine help

* Navigator only



Correction mask



trim-tec 75i

*Inline Three-Knife Trimmer
with motorised adjustment and
pile magazine. Product infeed:
'spine leading'*



Wohlenberg High-Speed Three-Knife Trimmer

trim-tec 75i

Consequent performance

What matters is the number of cut copies not the cycle frequency. We focus the 'finishing quality' on the simultaneous cutting of several products.

Content customers through constant high quality

Machine frames cast in one piece have long since been the guarantee for the long lasting cutting accuracy of our machines. This also applies to the trim-tec 75i which is designed with a torsion-free machine frame cast in one piece.

Direct access to the cutting station

Within a few seconds the infeed unit can be withdrawn from the trimming unit (by up to 800 mm) – which is of significant advantage when the clamp plates, front knives and plate table need changing. The withdrawal (railguided) is done by push button operation. Jobs at the trimming unit can easily be carried out in front of the cutting table.

New standards for positioning accuracy

Infeed of products, positively locked and positioned, with spine leading.

Constant cutting accuracy for a long period of time

Dynamic AC-servo-drives allow an automatic speed control between perfect binder and Three-Knife Trimmer. Irregular product infeed will release a speed adaption within split seconds. Without leaving any marks on the products the machine accelerates to 75 cycles/min within one second! The mechanical stress on complete mechanical groups is reduced to a minimum. The result: a long-lasting cutting accuracy, less knife changing, less maintenance, less noise and less power consumption.

Kid gloves for your print products

Full-surface clamp plates and plate tables prevent marks on the product surface.

Increased knife service time

The improved swinging shear cut guarantees a clean cut, prevents split spines, damaged covers and extends the knife life time.

Quick change from pusher to counter operation

The change requires less than one minute.
Minimum book thickness in pusher operation: approx. 8 mm;
in counter operation: 2 mm.



Counter operation also for large-size, thin products

A new magazine design supports even large-size, thin products, simultaneously protecting the product surface. The products don't sag. Thanks to a new transport mechanism no cover conveyors are needed: The products' surface remains undamaged!

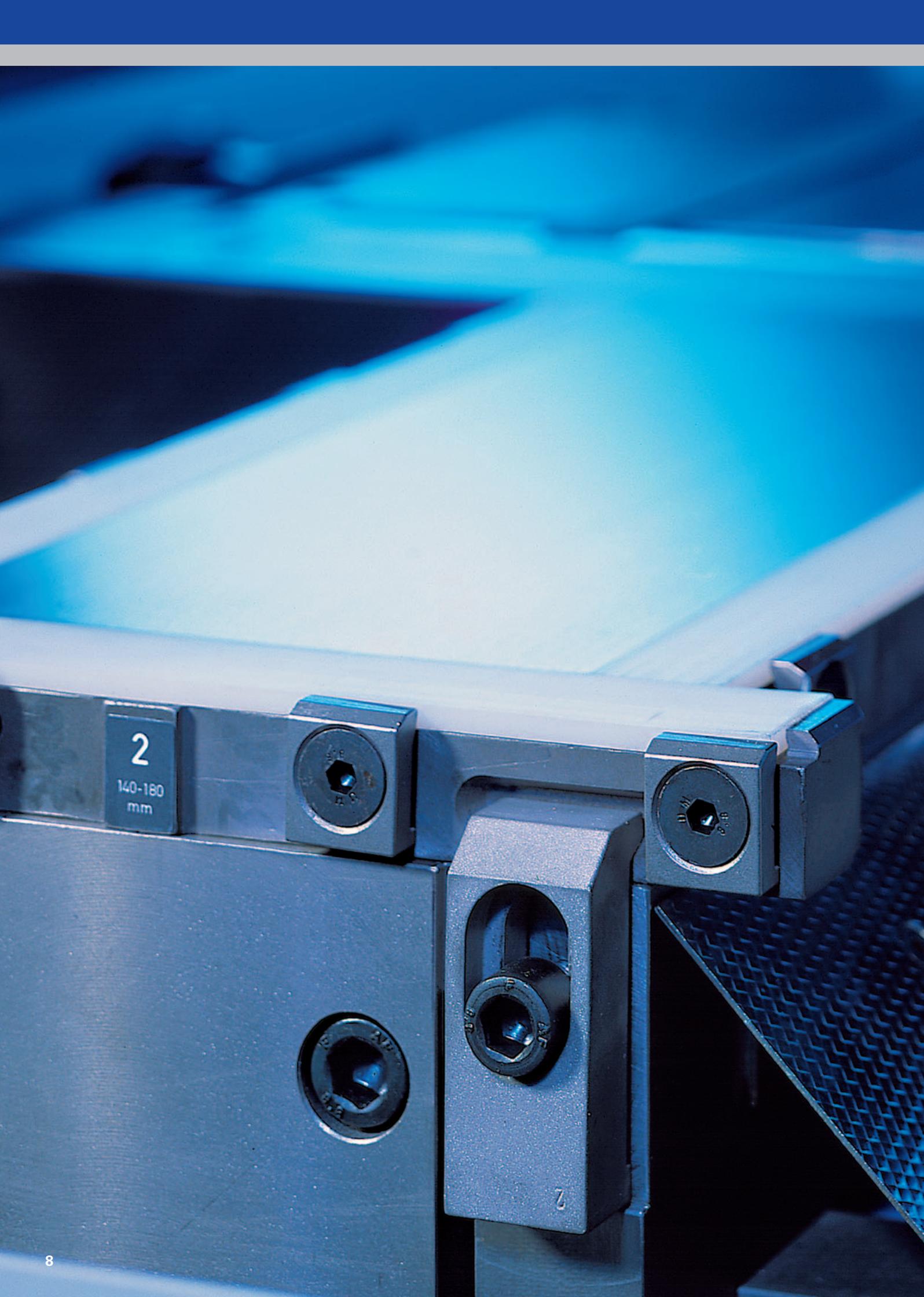
Counter operation also for large-size, thin products

Speed control and monitoring of filling height

No need for the operator to monitor the speed-control. The speed will be sensor-adjusted according the product flow.

Steplessly motorised adjustment during production process

The product's position on the cutting table can be corrected by +/- 5 mm in all directions during the production run. Clamping pressure, magazine front, drive channel and pusher are steplessly positioned by motors.



2

140-180
mm

2

Wohlenberg High-Speed Three-Knife Trimmer

trim-tec 75i

Make-ready time reduced to a minimum, automatic machine settings

13 position adjusting drives are responsible for a quick and comfortable format change, they will, after being programmed with the job data, automatically approach the appropriate position.

No clutch: Less disturbances, less maintenance

Less mechanical systems, less friction. Where complete assembly groups remain static, parts will not be exposed to wear and tear. The 75i trim-tec has no need for clutches. The drive/brake functions of the new machine generation are provided by electronically synchronised motors.

Less maintenance through product flow monitoring

Maintenance-free components ease the operator's work during the daily non-stop machine operation. An intelligent product flow monitoring helps to extend the service life of knives and cutting sticks.

Central Lubrication

The Three-Knife Trimmer accommodates an automatic central lubrication and a programmable silicone spraying device (optional).

Reduced power consumption, longer knife service time

'No book, no cut'. The highly dynamic drive saves unnecessary operations. The 'no book – no cut' control reduces the power consumption – the knife keeps its sharpness for a longer time.

Trouble-free off-cut disposal

The front knife cuts first, then the side knives follow. The off-cuts are centrally sucked away, following the direction of the waste chips.

CE-Certificate

The trim-tec 75i corresponds with the regulations of the CE certificate.

Basic Equipment

- 8 plate tables (incl. frame)
- 2 sets quick-change knife-changing devices with setting gauge
- 2 sets quick-change systems for gripper arms trimming positioning with setting gauge
- 5 clamp plates
- operating tool set
- operating instruction
- electrical equipment for AC 400 V, 50 Hz, three-phase



Technical Data trim-tec 75i

Mechanical speed	cycles/h	500-4500 steplessly adjustable
Total connected load	kVA	18
Compressed air required (6 bar)	m ³ /h	60
Net weight, approx.	kg	4600

Standard size

max. untrimmed	mm	320 x 410
max. trimmed	mm	300 x 380
min. untrimmed	mm	100 x 145
min. trimmed	mm	100 x 145

Small size (special design)

max. untrimmed	mm	320 x 410
max. trimmed	mm	300 x 380
min. untrimmed	mm	80 x 110
min. trimmed	mm	75 x 105

Enlarged size (special design)

max. untrimmed	mm	320 x 451*
max. trimmed	mm	300 x 420
min. untrimmed	mm	100 x 145
min. trimmed	mm	100 x 145

Small size + enlarged size (special design)

max. untrimmed	mm	320 x 451*
max. trimmed	mm	300 x 420
min. untrimmed	mm	80 x 110
min. trimmed	mm	75 x 105

Book-pile-height

maximum	mm	70
minimum	mm	10

Book thickness

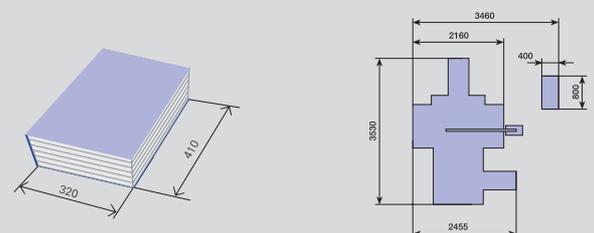
pusher operation min.	mm	8
pusher operation max.	mm	70
counter operation min.	mm	2
counter operation max.	mm	20
shingle feeding (option) min.	mm	8
shingle feeding (option) max.	mm	20

Clamp-plate-opening (over table)

maximum	mm	90
minimum	mm	20

Maximum standard size

Dimensions



*head trim max. 8 mm, tail trim max. 23 mm

Three-Knife Trimmer 75i, 60i, 56o, 45i, 30o

Equipment

Equipment	trim-tec	75i	60i	45i	56o	30o
Electrical equipment 400 V AC, 50 cycles		●	●	●	●	●
Electrical equipment AC other specifications		○	○	○	○	○
Interior lighting		●	●	●	●	●
2 sets of knives in protection box		●	●	●	●	●
Spare knives standard and tungsten carbide		○	○	○	○	○
2 sets of knife guards		●	●	●	●	●
Knife-changing device		●	●	●	●	○
3 sets of cutting sticks		●	●	●	●	●
Spare cutting sticks		○	○	○	○	○
1 set cutting table (flash tables) with frame		●	●	●	●	●
Quickset		●	●		●	
Auto-Positioning (AP)		●	●	●	●	●
1 set clamp plates and holders		●	●	●	●	●
1 set two-side usable infeed grippers			●	●	●	●
Cutting table extension for extreme wide front trims			●	●	●	●
Air nozzles on knife holders		●	●	●	●	●
Pneumatic cover hold-down device for connection to compressed air			●	●	●	
Exit rollers/offcut trap		●	●	○	○	○
Tool cabinet		○	●	○	○	○
Pneumatic head gauge (with reverse travel)			○	○	○	○
Automatic compensating head gauge					○	○
Spine clamping device with scoring knife				○	○	○
No book – no cut control		●	●	●	●	●
Silicone-spraying device for inner and outer side of knives, programmable		○	○	○	○	○
Special device for folded signatures					○	
Compressor		○	○	○	○	○
Delivery conveyor (1,6 m)			●	●	●	●
Delivery conveyor (1,2 m or 3 m)			○	○	○	○
Steplessly adjustable delivery conveyor speed		●	●	○	●	●
Destacker for trimmed piles				○	○	○
Small size I 100 x 65 mm trimmed			○	○	○	
Small size II 65 x 65 mm trimmed					○	○
Pile height 125 mm instead of 100 mm					○	
Off-cut funnel for central offcut suction Ø 180 mm		●	○	○	○	○
Special grippers for difficult cutting stock			○	○	○	○
Operator tools		●	●	●	●	●
Operating instructions and spare parts list		●	●	●	●	●

● = Standard equipment/Series equipment ○ = Option

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