



Blank cutting from the roll

Splitting and cross cutting

Material rewinding

Shingled or pile delivery

Cloth cutter



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Cloth cutter

Kolbus cloth cutter, type KS,
for combined splitting and cross cutting of roll material.
Coated fabrics, plastic films, gauze, paper or other materials
used by bookbinders or the paper and plastic processing industry
are cut to fixed sizes in one operation.

Cloth cutter method of operation:

- The material roll is connected to the unrolling shaft on the right and left by clamping cones. Securely positioned quick opening bearings accept the unrolling shaft.
- A constant web tension is possible due to a large disc brake.
- Lateral alignment of the material roll is assisted by the unrolling shaft being motor controlled to the left or right.
- Wavy material resulting from the rolling can be overcome by means of the integrated adjustable flattening device.
- Rigid circular cutters guarantee perfect splitting. Maximum 10 pairs of circular cutters can be fitted.
- The material transport is made using rubber coated steel rollers which are adjustable to the material thickness.
- The cross cutting operation cuts the material strips

into the required width.

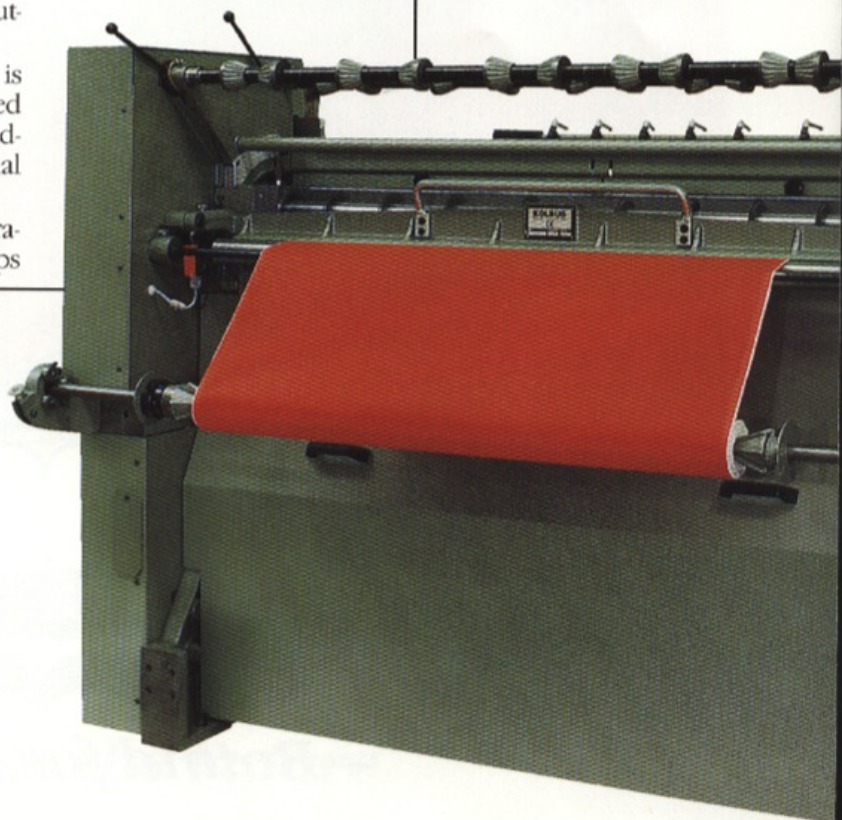
- Splitting only is performed by disengaging the cross cutting drive.
- The material webs or edge strips can be rolled onto card cores. Clamping cones join the board cores torsion free to the rewinding shaft.
- The blanks are laid shingled on the delivery table. A pile delivery is also possible. For this the shingled flow is collected on a suitable delivery table.

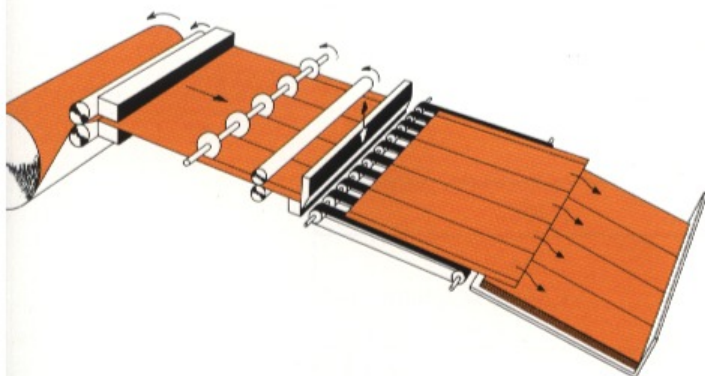
Technical details:

- Main drive with brake motor and foot switch for inching operation.
- Operating panel for standard, inching and manual operation.



Bearing for the material shaft and operating panel





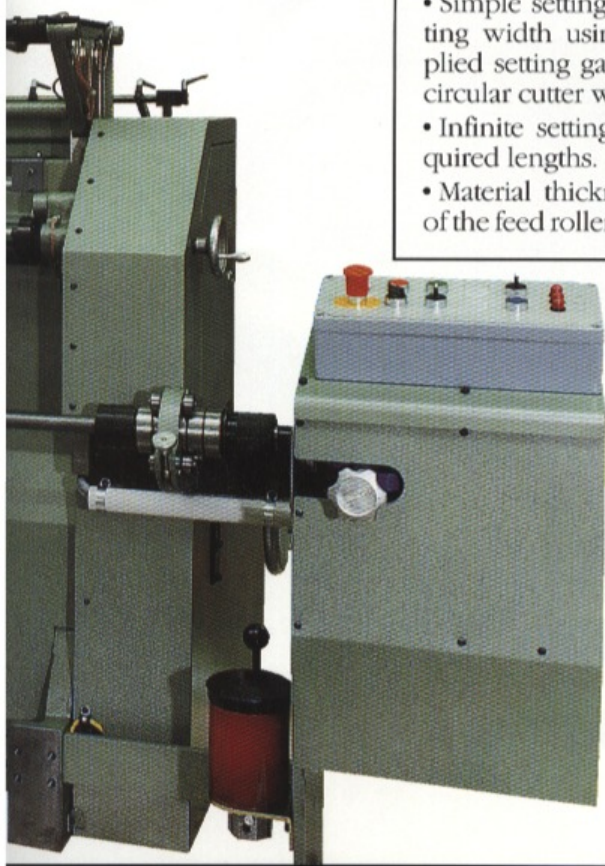
- Control lamps for malfunctions.
- It is easy to fit the material mounting shaft to the web tension regulation by means of the manual sliding coupling.
- Two material mounting shafts (25 and 34 mm) for differing board core diameters, swivellable for easy change of material rolls.
- The flattening device can be set for any curvature radius and can be regulated while the machine is running. The material unwinding direction can be changed.
- The circular knives (up to ten pairs) are clamped to the cutter shaft, allowing fast release and clamping when setting the required width.
- Simple setting of the cutting width using the supplied setting gauge for the circular cutter width.
- Infinite setting to the required lengths.
- Material thickness setting of the feed rollers by fast adjustment devices.

justment devices. The set roller gap can be read off from scales.

- Counter unit to register the cross sections, can be switched off for splitting.
- Infinitely adjustable machine speed.
- Two material rewind shafts (with 20 cones) can be employed individually or together.
- Movable delivery conveyor for optimum accessibility during adjustment and maintenance work with delivery table at the end, adjustable speed for individual or shingled delivery.
- Central lubrication system.
- Safety standard according to CE directives and specifications.

Advantages:

- *Easy to open bearings for the material shafts permit a fast material roll change*
- *Precision adjustable web tension regulation*
- *Smooth material infeed and flat laying of finished blanks due to an adjustable flattening device*
- *Short change-over times for setting the circular cutters to different web widths using a fast release clamping device and setting gauge for the circular cutters*
- *Easy access to the machine when setting by running-out the delivery belt*
- *Selection between shingled or pile delivery*
- *Edge trimming waste rewinder*
- *Versatility due to an optional combination of splitting and cross cutting or only splitting*



Technical data

Cloth cutter

Material width	max. (mm)	1,400
Cutting width	min. (mm) max. (mm)	50 1,345 (for splitting and cross cutting)
Cutting length	min. (mm) max. (mm)	10 1,050
Material roll diameter	max. (mm)	500
Unwinding cones diameter	min. (mm) max. (mm)	30 90
Rewinding cones diameter	min. (mm) max. (mm)	40 60
Rewinding width	min. (mm) max. (mm)	50 1,345
Rewinding diameter	max. (mm)	300
Movement of the material shaft	max. (mm)	± 30
Mechanical speed *		
– splitting	max.	50 m/min
– splitting and cross cutting	max.	36 cuts/min
		* Net production is subject to sizes, material etc.
Machine length: (including transport conveyor and table)	mm	3,100
Machine width	mm	2,765
Machine height	mm	1,500
Total weight	kg	1,300
Electrical equipment		230/400 V, 3 phase, 50 Hz
Total rated current (ref. to 400 V) Acc. to EN 60204, part 1, par. 18.4	A	1,95

KS
Technical changes reserved

Printed in Germany · 9909
92 026/P

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