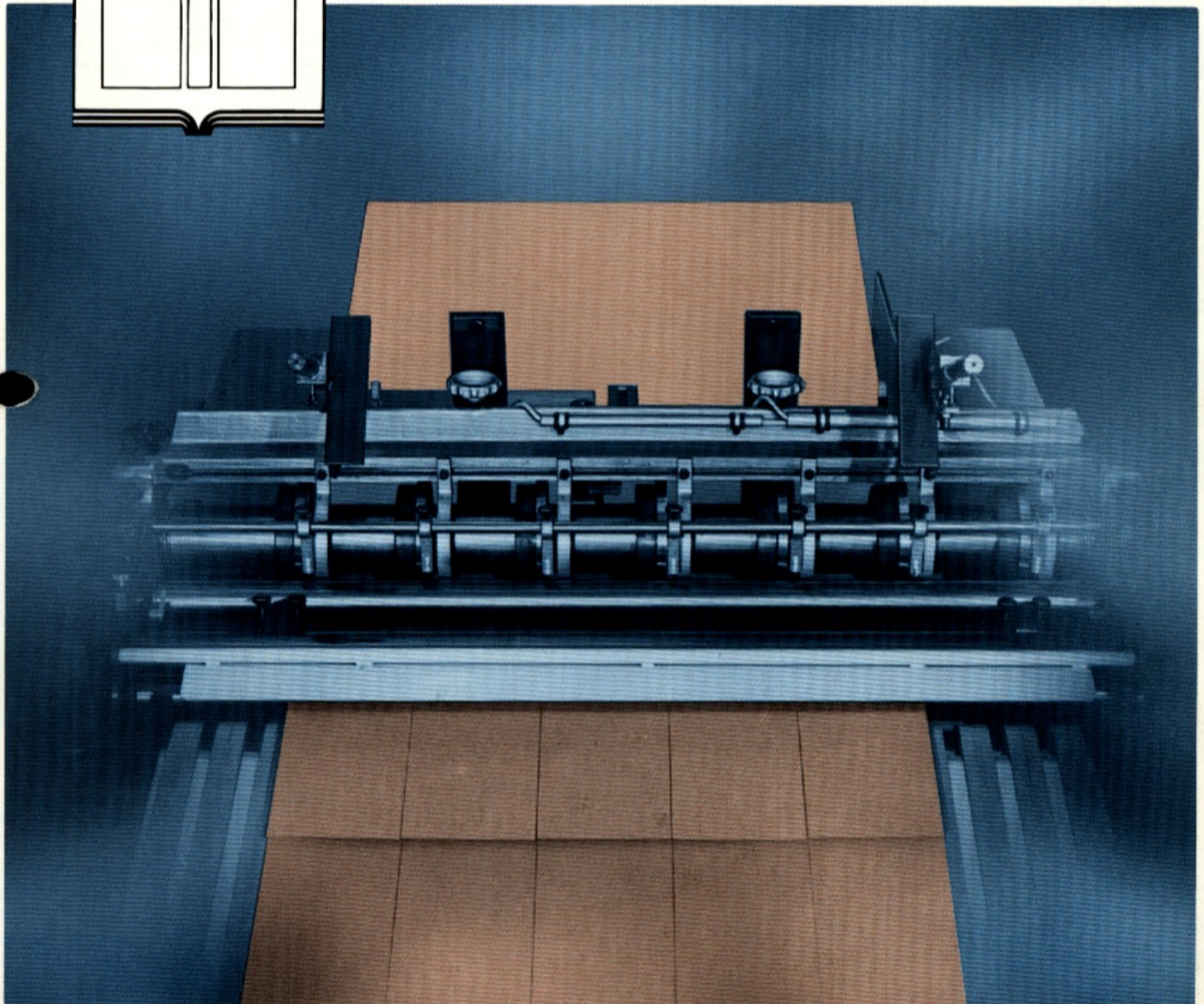
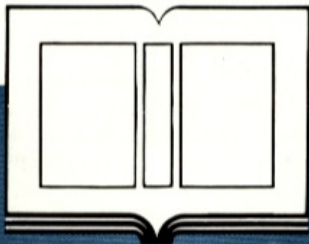


Board cutting  
with or without automatic  
stacking



# ● Rotary Board Cutter





# Rotary Board Cutter PK

The rotary board cutter is used for cutting cardboard, pasteboard and similar materials to size.

## 1. Method of Operation

- 1.1 The in- and outfeed rollers are set to the thickness of the material.
- 1.2 The distance between the rotary cutters for the lengthwise cut is set with a special gauge.
- 1.3 The sheets of cardboard are manually fed into the infeed rollers. The sheets are aligned along an adjustable laterally mounted guide and are then cut.
- 1.4 The delivery rollers discharge the strips onto the delivery table, from where they are removed by hand.
- 1.5 For the cross cut (2nd cut) the rotary cutters are adjusted to the appropriate size setting, the hopper is hinged and the automatic strip feeder is screwed onto the horse.
- 1.6 The strips are stacked in the hopper manually prior to being fed automatically to the rotary cutters.
- 1.7 The cut boards drop onto the delivery table, are removed by hand and are stacked on a pallet for further processing.

## 2. Technical Details

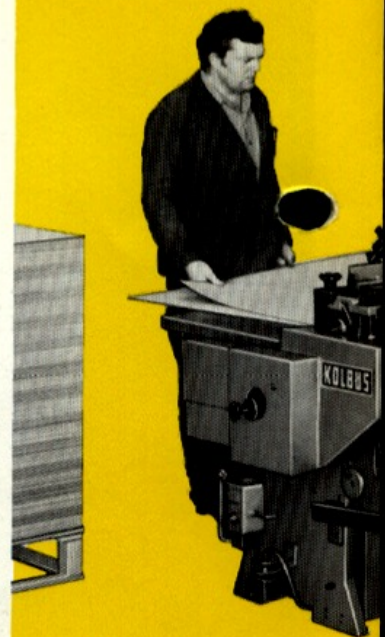
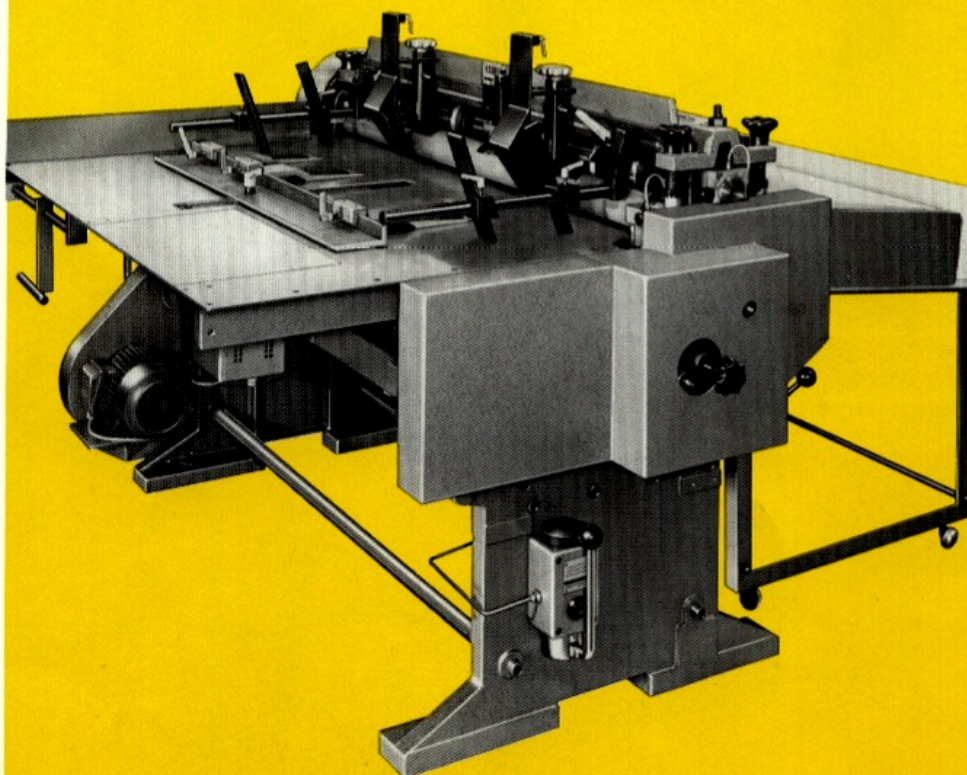
- 2.1 Sturdy construction ensures high continuity of production.
- 2.2 The side parts containing all the shaft bearings and feed rolls are rigidly anchored together by sturdy connecting elements.
- 2.3 The hinged hopper of the automatic strip feeder can be lifted (resulting in a short setting-up time).
- 2.4 The strong, precision-ground cutter shafts ( $\varnothing 90$  mm) with absolutely true alignment of the upper and lower cutters enables a high degree of accuracy in cutting, even with thick types of cardboard.
- 2.5 The bearings of the conveyor and cutter shafts are adjustable by means of lateral thrust screws. Ball thrust bearings prevent any lateral shaft play between the bearings.
- 2.6 The draw-in rolls are constructed as a steel - rubber pair of rolls, ensuring more accurate guiding of the cardboard.
- 2.7 Guide forks span the interval between the entry and delivery rolls.
- 2.8 The machine is fitted with a centralized lubrication system and maintenance-free bearings.

## 3. Accessories

- 3.1 Suction/push system for separating and advancing the lowermost strip of board in the case of certain difficult materials. This improves the performance of the mechanical conveyor system. This system is necessary when the machine in the form PK II is to be extended into a board cutting line PK-PK. For further extension possibilities see next page.

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### Advantages:

- Eases hard and extensive manual work
- True rectangular cutting
- The suction/push system processes even problematic materials
- Separate modules, suitable for a complete board cutting line



# Rotary Board Cutter PK-D with automatic stacking

The rotary cutter can be extended in various stages right up to a fully automatic cutting line. The model PK-D (with destacking unit) offers an economical solution for small to medium-sized assignments.

## 4. Function of the PK-D

- 4.1 The rolls and the rotary cutters are adjusted as for the PK.
- 4.2 As with the PK, the sheets of cardboard are manually fed in prior to cutting.
- 4.3 The strips are deposited shingled onto the delivery belt and then stacked onto a pallet.
- 4.4 For the cross cut the machine is reset as described under 1.5. The strips are stacked in the hopper by hand.
- 4.5 The suction/push system sucks the lowermost strip and pushes it with the strip feeder parallel between the draw-in rolls.
- 4.6 The cut boards are transported by the delivery belt to the pallet for stacking.

- 4.7 The delivery belt adjusts itself to the growing stack. Having reached the preselected stack height, the pallet is moved forward manually by one format length. The belt is lowered and the cycle begins anew.

## 5. Technical details of the PK-D

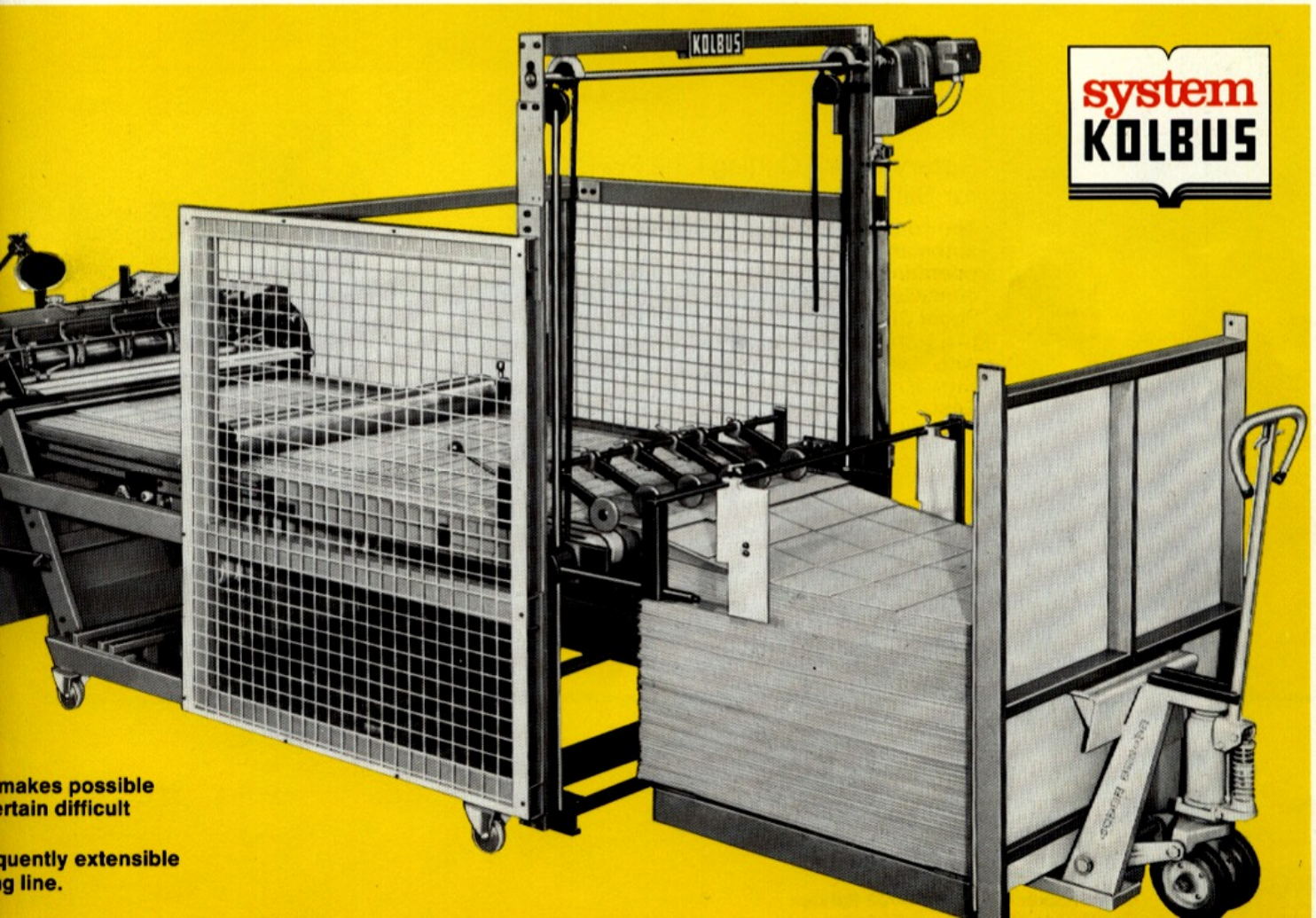
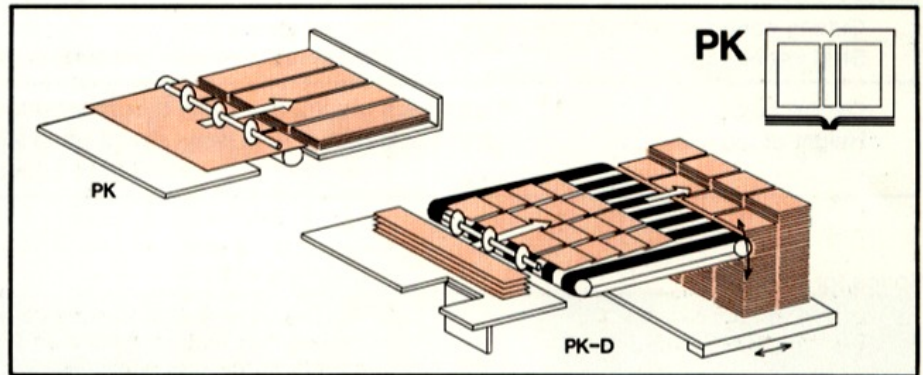
- 5.1 The suction/push system is included in the standard equipment.
- 5.2 Deflecting rolls separate the waste edge cuttings from the cut boards. The waste cuttings are removed by belt to one side.

- 5.3 Monitoring of stack height in delivery.

- 5.4 Centralized lubrication system and maintenance-free bearings.

## 6. Accessories

- 6.1 Automatic pallet advance for the destacking unit.

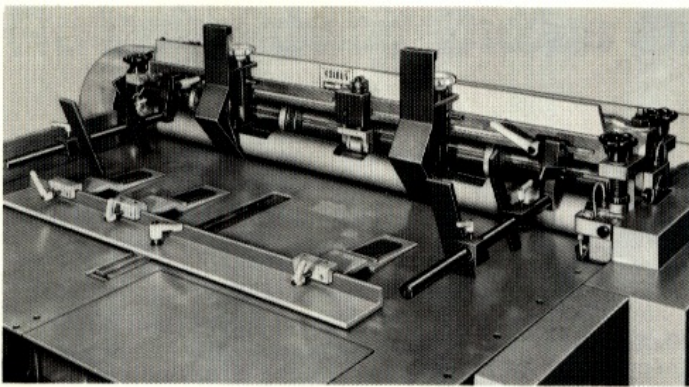


**system**  
**KOLBUS**

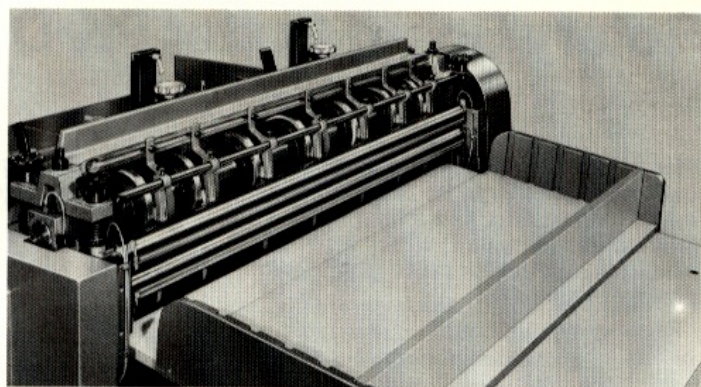
makes possible  
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Infed table of the PK with automatic strip-feeder

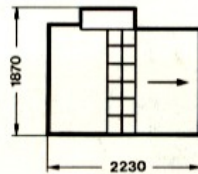


Discharge table of the PK

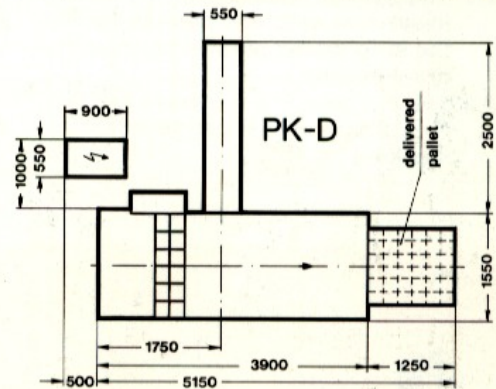
Technical Data PK and PK-D <sup>(110)</sup>					
Width of board admitted	1300 mm 51 1/6"	Smallest width of cut strips	50 mm	2"	
Max. width of cut	1250 mm 49 2/5"	Smallest size a cut boards	165x50 mm	6 1/2x2"	
Thickness of cardboard max.	4 mm 1/6"	Depth of feeding table	900 mm	35 1/2"	
Cutting speed according to material	25- 45 m/min.				
Strip infeed rate	30-160 strokes/min.; infinitely variable				
Overall height	1300 mm 51 1/6"	Total weight PK (PK-D)	1050 kg	(1900 kg)	
Height of table unit	825 mm 32 1/2"	Floor stress for rotary cutters	8900 N/m <sup>2</sup>		
		Total electrical connected load	1.5 kW	(6.1 kW)	

Space for Notes

PK

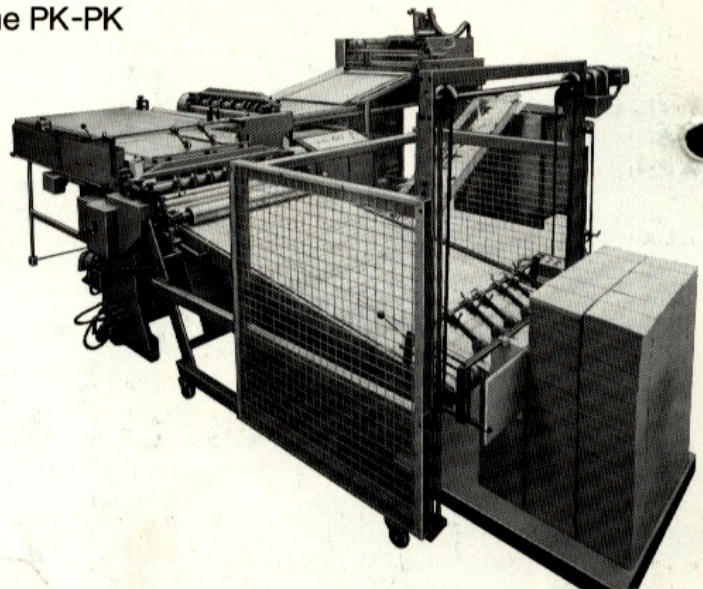


PK-D



### Rotary Board Cutting Line PK-PK for Slitting and Sheeting

The complete automatically operating line consists of the Pallet Stack Feeder, two Rotary Board Cutters PK with Handover Device, Waste Strip Extractor and a Destacking Unit.



Please ask for separate brochure on the PK-PK.



**KOLBUS**

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