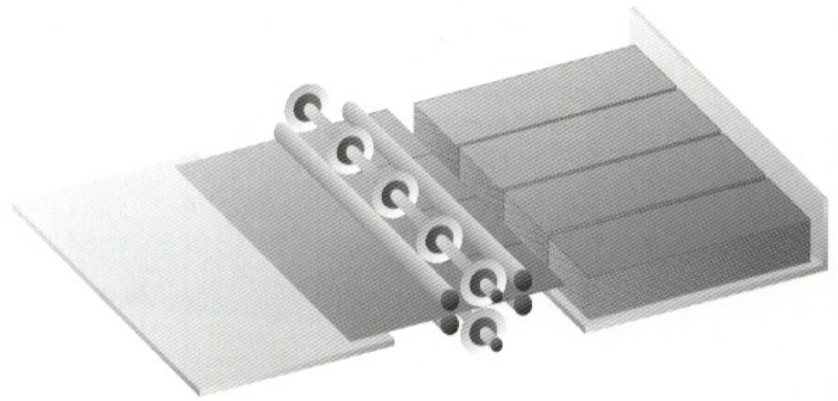


- Easy operation with infinitely variable infeed and cutting speed
- The strip magazine for cutting the blanks is simple and quick to attach
- Slip-free pull-in of the board due to rubber/steel combination pull-in rollers



Rotary board cutter **PK 170**



■ Method of operation

The individual board sheets are manually pushed along the alignment rail into the machine. Infeed rollers grasp the material and transport it between the rotary cutters, previously set to strip width. The board sheets are cut in strips by means of a rotary movement. Delivery rollers take over the board strips and place them on the delivery table. Here, they are manually removed and immediately stored. Then the board strips are placed in a stack magazine for the second processing cut, and from there, guided through the rotary cutter system again.

The stream delivery is a technical and economical alternative to the inclined table for the pick-up of the shingled pieces. The pieces run against a catcher roller and are subsequently deposited in shingled formation, the shingle overlap being determined by the adjustable speed of the discharging belts. A gap is formed between the individual streams by the divergence of the 33 round

belts towards the exit. This considerably facilitates manual pick-up of the cut pieces and allows continuous removal without interrupting the cutting process. The moveable design of the stream delivery on rails permits unhindered access to the longitudinal cutter for blade adjustment.

The rotary cutters, mounted on the cutter shafts, may be axially displaced. Setting of the cutting widths is quick and easy, as is the changing of the cutting blades, which are in two parts, so that it is not necessary to remove the cutter shaft.

The processing speed for the strip is infinitely variable. The boards are transferred reliably and slip-free.

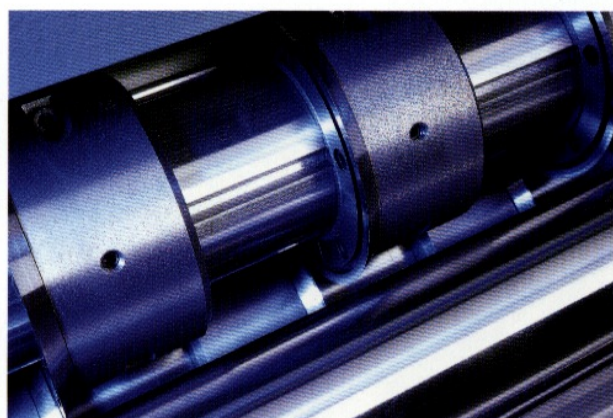
As optional equipment, **KOLBUS** offers the version with edge strip choppers and waste conveyor belts.



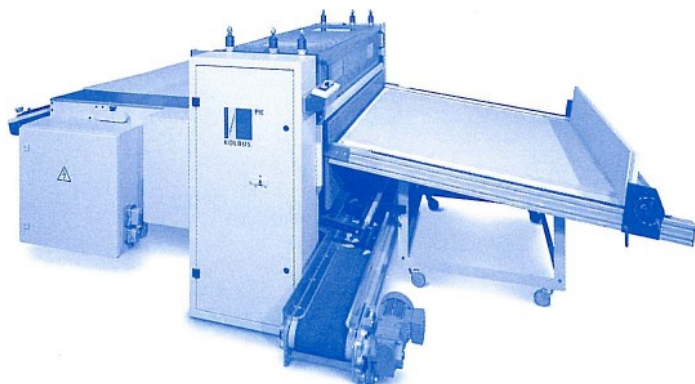
△
100 mm diameter
cutter shafts with
solid, divided
cutter sleeves for
maximum stability

◁
Rotary board cutter
PK 170 with stream
delivery

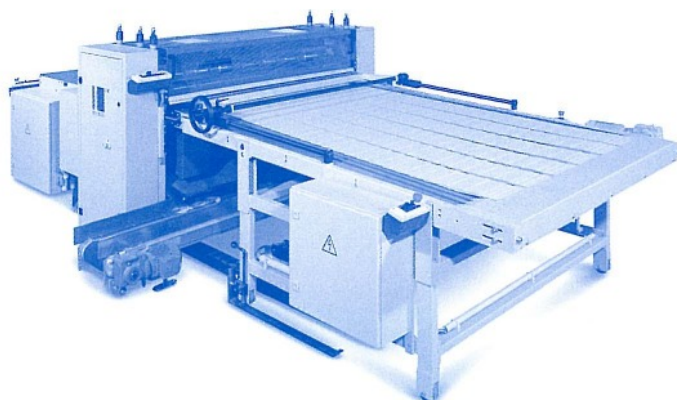
▷
Rotary board cutter
PK 170 with inclined
deposit table



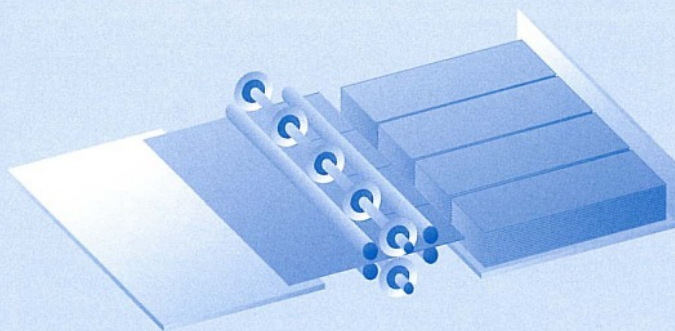
PK 170 with deposit table



PK 170 with stream delivery



PK 170



EQUIPMENT VARIATIONS

STANDARD EQUIPMENT

Hand feeding table, incl. lateral sheet guide at left-hand
Strip infeed device for a right-angled infeed into the intake pair of rollers with 2 sets of exchangeable pushers for different board thickness, steplessly adjustable for strip widths between 150 and 480 mm in running direction

Magazine feeding consisting of angled guides and 2 front strippers adjustable to the board thickness

1 pair each of precision adjustable steel intake and outfeed rollers (80 mm diameter)

1 pair of knife shafts (100 mm diameter) with 8 pairs of divided knife sleeves and divided acute circular knives (160 mm diameter)

Deposit table for max. 1,400 mm sheet length measured in running direction

Central lubrication system, hand-operated

Safety standard according to CE directives and specifications

ALTERNATIVE EQUIPMENT

Deposit table

Stream delivery (continuous removal of the blanks without interrupting the cutting process – edge strip choppers required)

OPTIONAL EQUIPMENT

1 additional pair of outfeed rollers with **edge strip choppers** (up to 100 mm edge strip width) with outlet at the right and left (a transport belt for cutting waste is required)

Straight edge strip cutting waste transport belt, 2,500 mm long

Transport belt for cutting waste removal into a skip, transport height: 1,300 mm

1 additional standard circular knife, divided (max. 12 pairs per machine)

1 additional knife sleeve, divided (max. 12 pairs per machine)

TECHNICAL DATA

WORKING WIDTH

Original board format min. 600 mm/max. 1,400 mm

CUTTING WIDTH

min. 85 mm/max. 1,380 mm

FINISHED SIZE

width x length: min. 85 x 150 mm

max. 1,380 x 480 mm (with infeed device)

BOARD THICKNESS

1.0 – 4.0 mm

FEEDING TABLE

Working height 900 mm/depth 1,070 mm

MECHANICAL SPEED

Linear cutting speed

infinitely variable 30 – 120 m/min

Strip-infeed device

infinitely variable up to 220 cycles/min

Net production is subject to sizes, materials etc.

MACHINE DIMENSIONS

Deposit table	Stream delivery
Length: 3,050 mm	– (without edge strip choppers)
Length: 3,170 mm	3,825 mm (with edge strip choppers)
Width: 2,130 mm	2,130 mm
Height: 1,205 mm	1,205 mm

WEIGHT

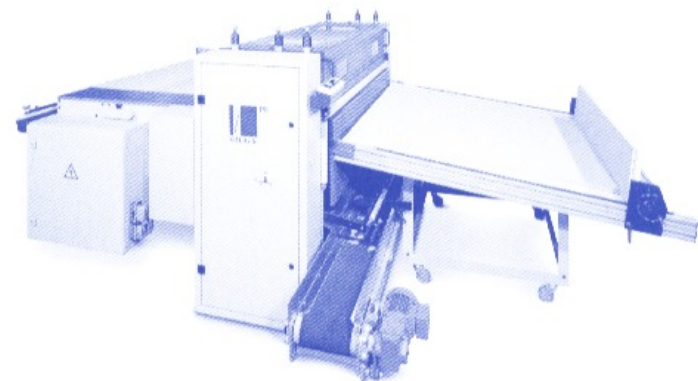
2,100 kg (deposit table)/2,500 kg (stream delivery)

ELECTRICAL EQUIPMENT

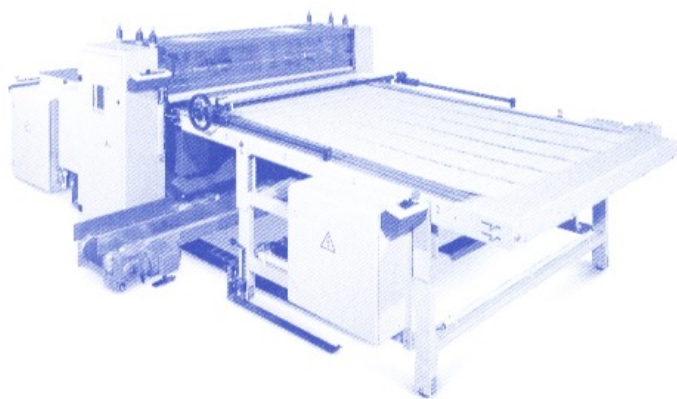
3 phase, 400 volt/N/PE, 50 cycles

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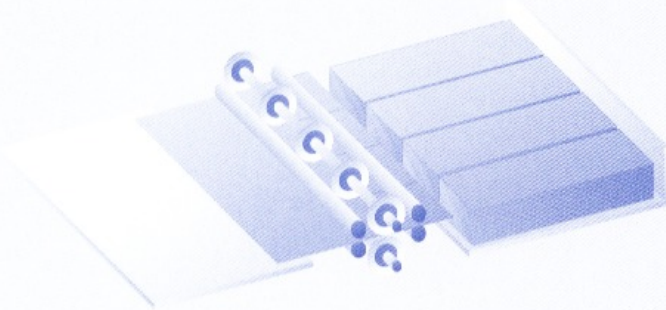
PK 170 mit Fallbrettablage



PK 170 mit Schuppenauslage



PK 170



AUSRÜSTUNGSVARIANTEN

STANDARDAUSRÜSTUNG

Handanlagetisch, einschließlich seitlicher Bogenführung links
Streifen-Einschubvorrichtung zum winkeltgerechten
Einschub in das Einlaufwalzenpaar mit 2 Satz austausch-
baren Einschiebern für unterschiedliche Pappdicken
Stufenlos verstellbar für Streifenbreiten von 150 mm bis
480 mm in Durchlaufrichtung

Magazinanlage bestehend aus Winkelführungen und
2 auf Pappenstärke einstellbaren vorderen Abstreifern
je 1 Paar feinverstellbare Ein- und Auszugswalzen aus Stahl
(80 mm Durchmesser)

1 Paar Messerwellen (100 mm Durchmesser) mit 8 Paar
geteilten Messermuffen und geteilten spitzwinkligen
Kreismessern (160 mm Durchmesser)

Zentralschmierung mit Handpumpe

Sicherheitsstandard nach EG-Richtlinien und -Normen
Baumusterprüfung durch die Prüfungsstelle des Fachaus-
schusses Druck- und Papierverarbeitung

WAHLAUSRÜSTUNGEN

Fallbrettablage

Schuppenauslage (kontinuierliche Abnahme der Zuschnitte
ohne Unterbrechung des Schneidprozesses – Randstreifen-
Zerkleinerer erforderlich)

WUNSCHAUSRÜSTUNGEN

Zusätzliches Auszugswalzenpaar mit **Randstreifen-
Zerkleinerer** (bis 100 mm Randstreifenbreite) rechts und
links mit Abführtrichtern (Abfalltransportband erforderlich)

Gerades Randstreifen-Abfalltransportband, 2.500 mm lang
Transportband zur Abfallstreifenbeseitigung in einen
Container, Förderhöhe 1.300 mm

1 zusätzliches Standard-Kreismesser, geteilt
(max. 12 Paar pro Maschine)

1 zusätzliche Messermuffe, geteilt
(max. 12 Paar pro Maschine)

TECHNISCHE DATEN

ARBEITSBREITE

Pappen-Rohformat min. 600 mm/max. 1.400 mm

SCHNITTBREITE

min. 85 mm/max. 1.380 mm

NUTZENFORMAT

Breite x Länge: min. 85 x 150 mm
max. 1.380 x 480 mm (mit Einschubvorrichtung)

PAPPENDICKE

1,0 – 4,0 mm

ANLEGETISCH

Arbeitshöhe 900 mm/Tiefe 1.070 mm

MECHANISCHE LAUFLEISTUNG

Lineare Schnittgeschwindigkeit
stufenlos regelbar 30 – 120 m/min

Streifen-Einschubvorrichtung

stufenlos regelbar bis 220 Takte/min

Nettoleistung jeweils abhängig von Format, Material etc.

ABMESSUNGEN DER MASCHINE

	Fallbrettablage	Schuppenauslage
Länge:	3.050 mm	– (ohne Randstreifen-Zerkleinerer) 3.825 mm (mit Randstreifen-Zerkleinerer)
Länge:	3.170 mm	3.825 mm (mit Randstreifen-Zerkleinerer)
Breite:	2.130 mm	2.130 mm
Höhe:	1.205 mm	1.205 mm

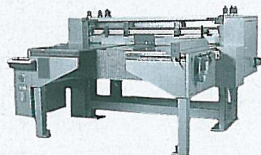
GEWICHT

2.100 kg (Fallbrettablage)/2.500 kg (Schuppenauslage)

ELEKTRISCHE AUSRÜSTUNG

3 Phasen, 400 Volt/N/PE, 50 HZ

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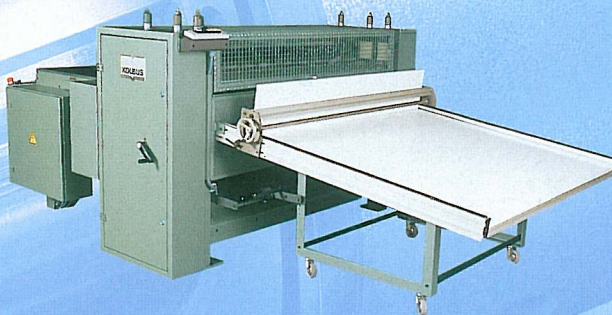
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100 mm diameter cutter shafts with solid, divided cutter sleeves for maximum stability