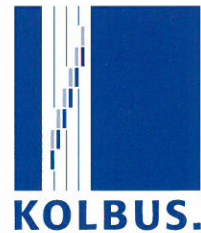
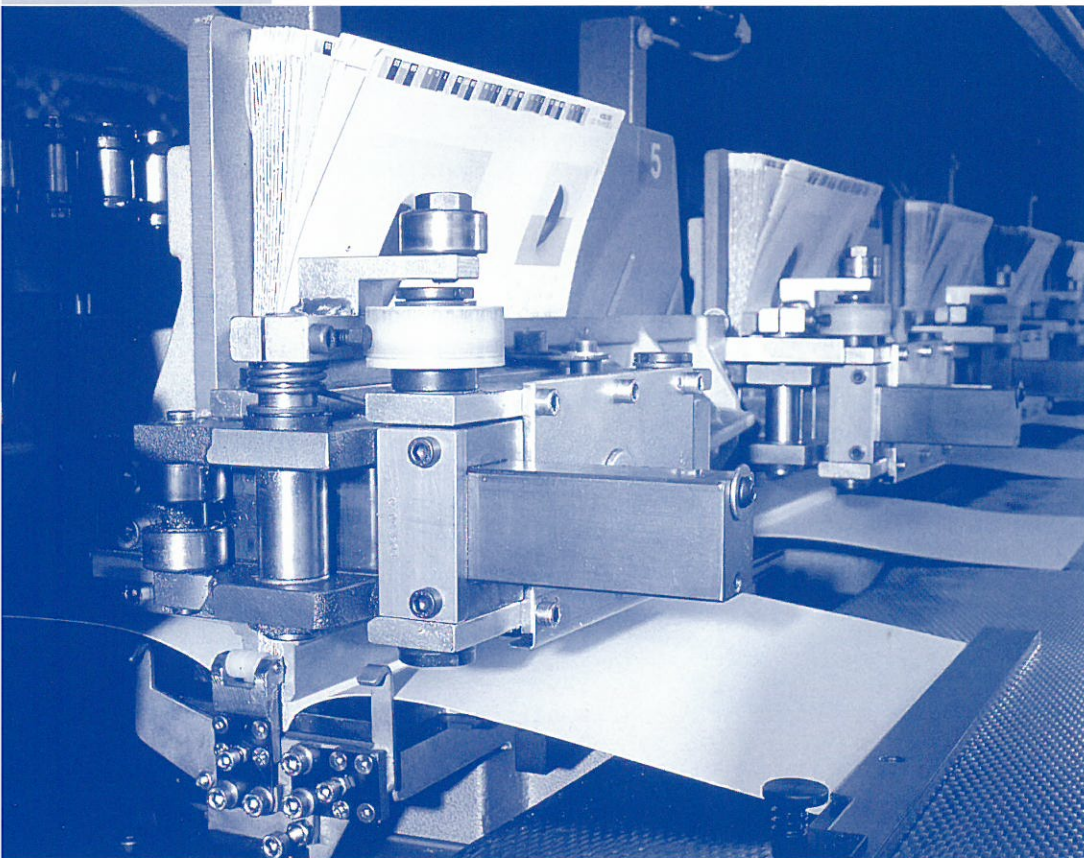


KOLBUS → Technical Data

Ratiobinder

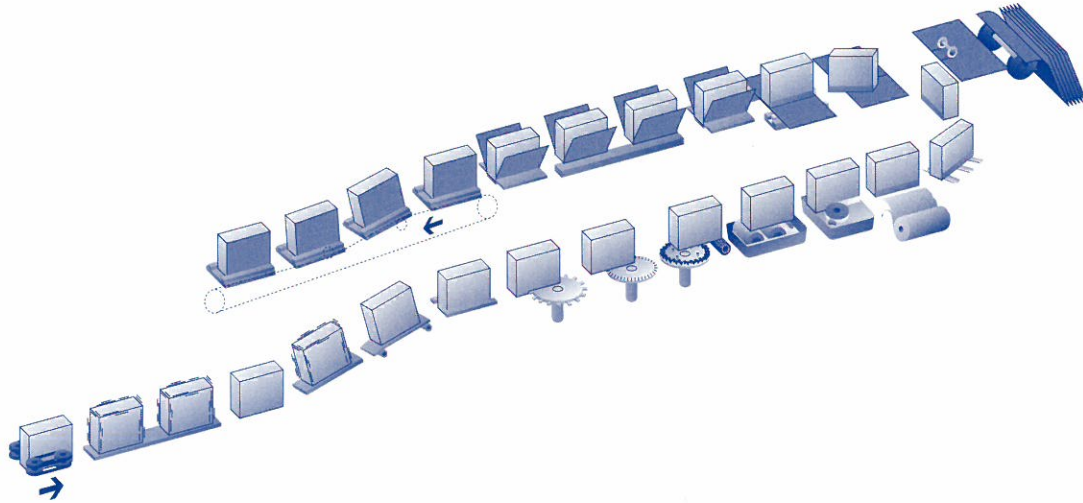
KM 470



The ideal binder with 21 transport clamps to start with quality perfect binding on medium runs up to 6,000 cycles/h.

The Ratiobinder offers following quality features: precision, economy in operation, and durability.

Quick format change-over by practical adjustment aids.



AVAILABLE EQUIPMENT

INFEED

Infeed incl. coupling to a gathering machine ZU

Infeed with hand feeding unit incl. coupling to a gathering machine ZU

Infeed with hand feeding unit without coupling to a gathering machine ZU

Optional equipment for hand feeding unit:

- Feeding conveyor from the right side with timed gate for sewn book blocks (mech. speed: max. 4,200 cycles/h, max. size: DIN A4)
- Coupling with a book block feeder from the right side for sewn book blocks (mech. speed: max. 6,000 cycles/h, max. size: DIN A4. Special sizes on request.)
- Coupling with a book block feeder from the left side for sewn book blocks (mech. speed: max. 6,000 cycles/h, max. size: DIN A4. Special sizes on request.)

SPINE PROCESSING STATIONS

Milling station

Equalizing milling station

Notching station with/without frequency control

Brushing station with roller brush

GLUING STATIONS

1st spine gluing unit

- EVA-hotmelt
- Cold glue (for the spine gluing of sewn book blocks or fold-perforated sheets)
- PUR-hotmelt

2nd spine gluing unit

- EVA-hotmelt

Side gluing units

- EVA-hotmelt application width max. 3.5 mm
- EVA-hotmelt application width max. 6.5 mm
- EVA-hotmelt application width max. 10 mm
- EVA-hotmelt application width max. 13 mm
- Cold glue, application width max. 13 mm

SPINE STRENGTHENING

Lining station for the processing of lining material and gauze

HEATING

IR-heater in the curve area

(to extend the open time of the hotmelt)

COVER FEEDER

Rotary cover feeder incl. scoring station for 4 scores

Cover feeder with conveyor for shingled pre-stacking incl. scoring station for 4 scores

For both feeder types are available:

- Special equipment for the processing of covers with pre-folded and folded-in covers
- Scoring station for 6 scores

PRESSING STATIONS

1st pressing station

2nd pressing station

Accessories for the processing of thread sewn products, block or brochure production

DELIVERY

Straight delivery incl. transport units (gripper carriage delivery)

Straight delivery as belt transport

Cross stack delivery (to be used only in connection with the aforementioned delivery types)

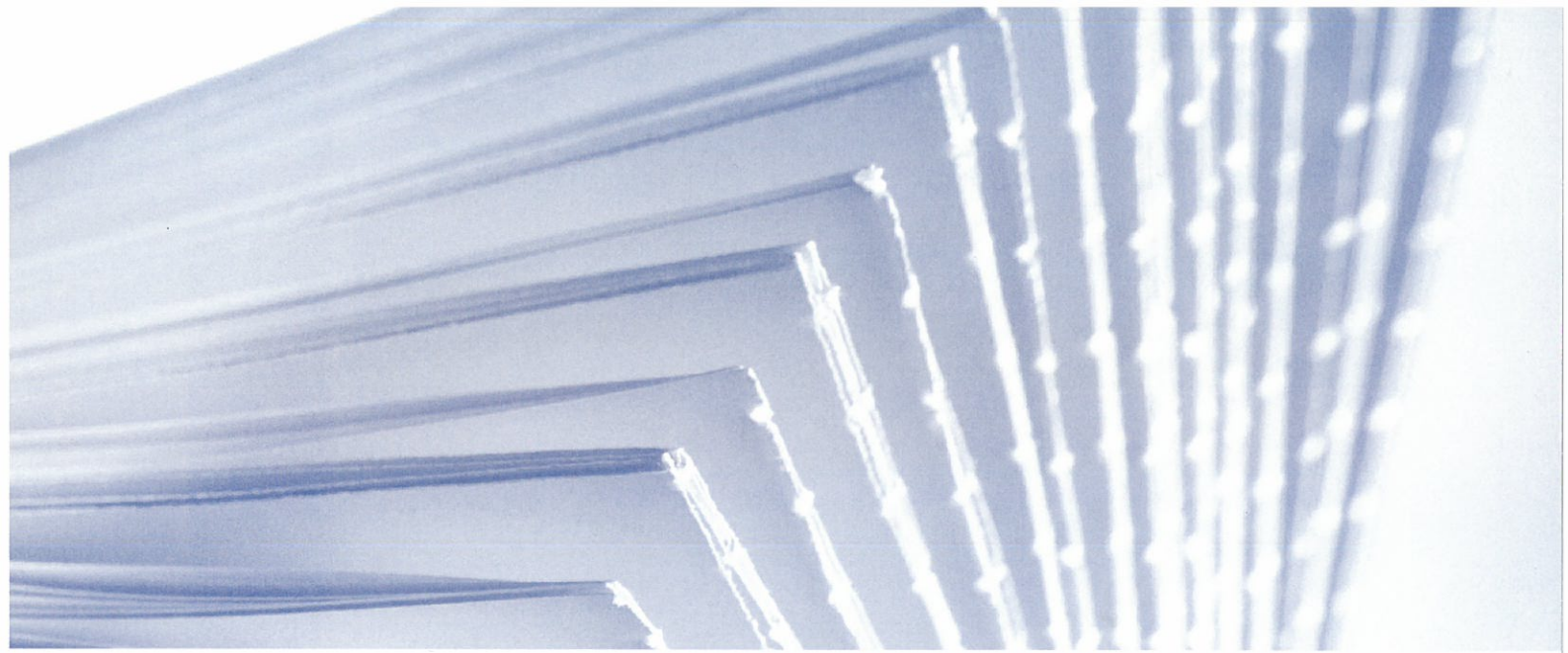
Lay-down device (plate chain) 2,100 mm to the left without or including accelerating rollers

Equipment for manufacturing

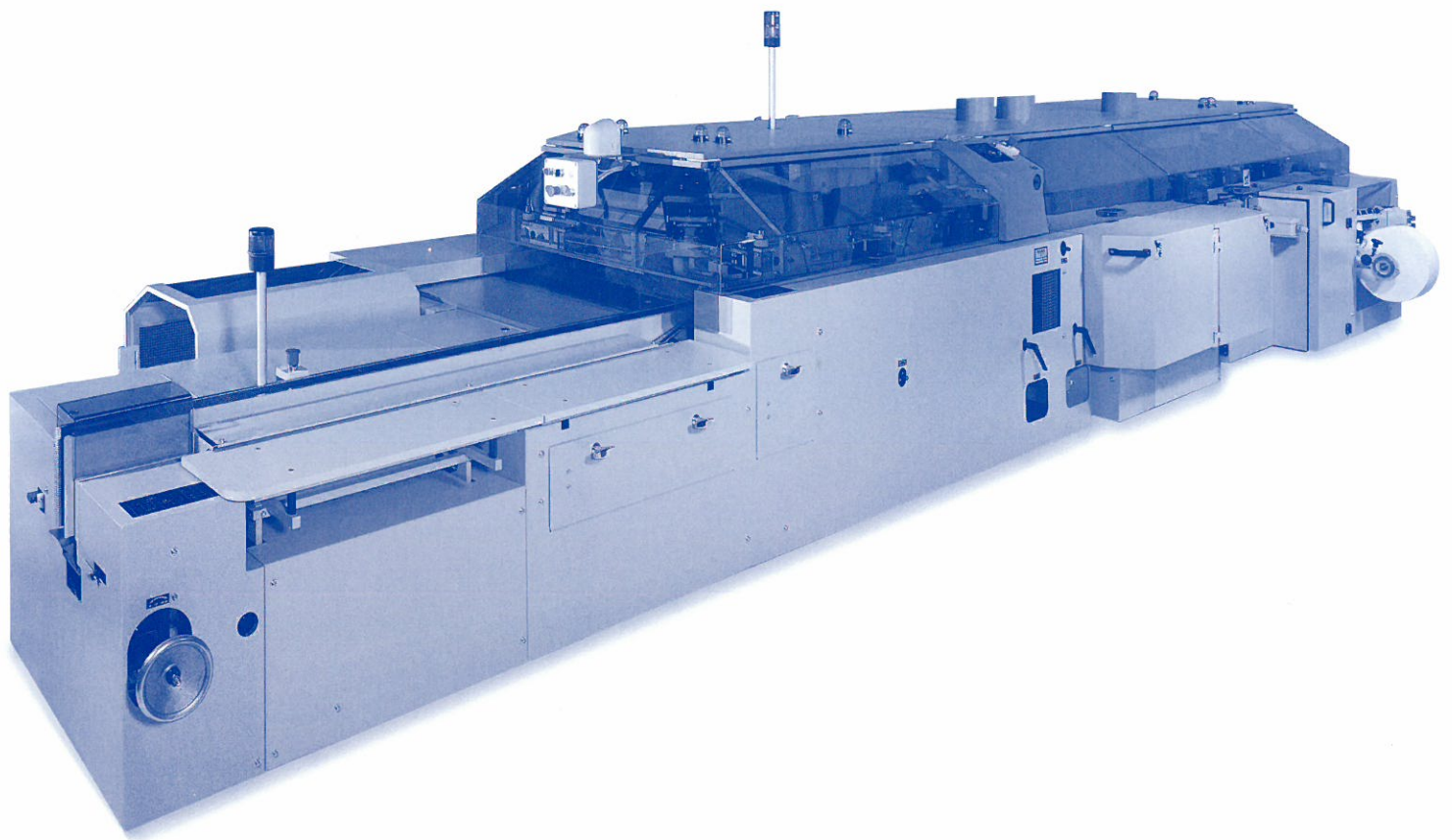
- Lay-flat products
- Swiss brochures

Safety standard according to CE directives and specifications

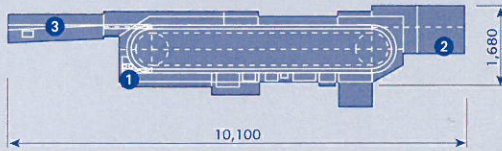
Further equipment and combinations on request



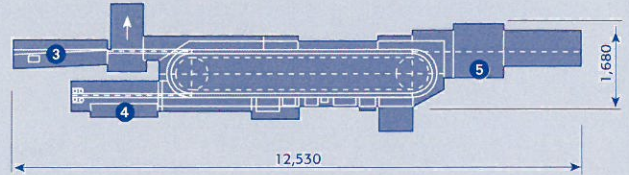
Ratiobinder **KM 470**



21 CLAMPS



21 CLAMPS



- ① Infeed with coupling ZU
- ② Rotary cover feeder
- ③ Lay down device as plate chain
- ④ Infeed with coupling ZU and hand feeding unit
- ⑤ Stream cover feeder

TECHNICAL DATA

MECHANICAL SPEED

6,000 cycles/h

Net production is subject to format, materials, machine equipment, etc.

BLOCK FORMAT RANGE

Width x Height x Thickness

max. 310 x 390 x 60 mm

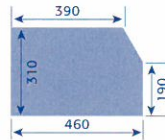
max. 190 x 460 x 60 mm

min. 100 x 125 x 3 mm

Block hang out after spine processing:

min. 10 mm

max. 15 mm



COVER FORMAT RANGE

Max. cover width 680 mm (310 mm + 60 mm + 310 mm)

ELECTRICAL EQUIPMENT

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

EXHAUST CAPACITY

FOR SPINE PROCESSING STATIONS

Main miller 1,600 m³/h,

approx. 1,800 Pa./∅ 160 mm

Two spine finishing units 1,300 m³/h,

approx. 1,300 Pa./∅ 160 mm

Extraction of hotmelt fume 300 m³/h,

approx. 200 Pa./∅ 160 mm

The customer has to provide:

COMPRESSED AIR REQUIREMENT

0.7 Nm³/h for the central lubrication system

+ 35 Nm³/h if coupled to a rotary cover feeder

+ 13 Nm³/h if coupled to a stream cover feeder

FACTORY LINE PRESSURE

6 bar

COMPRESSED AIR SUPPLY

see extra sheet

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