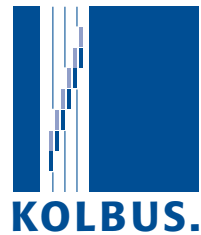
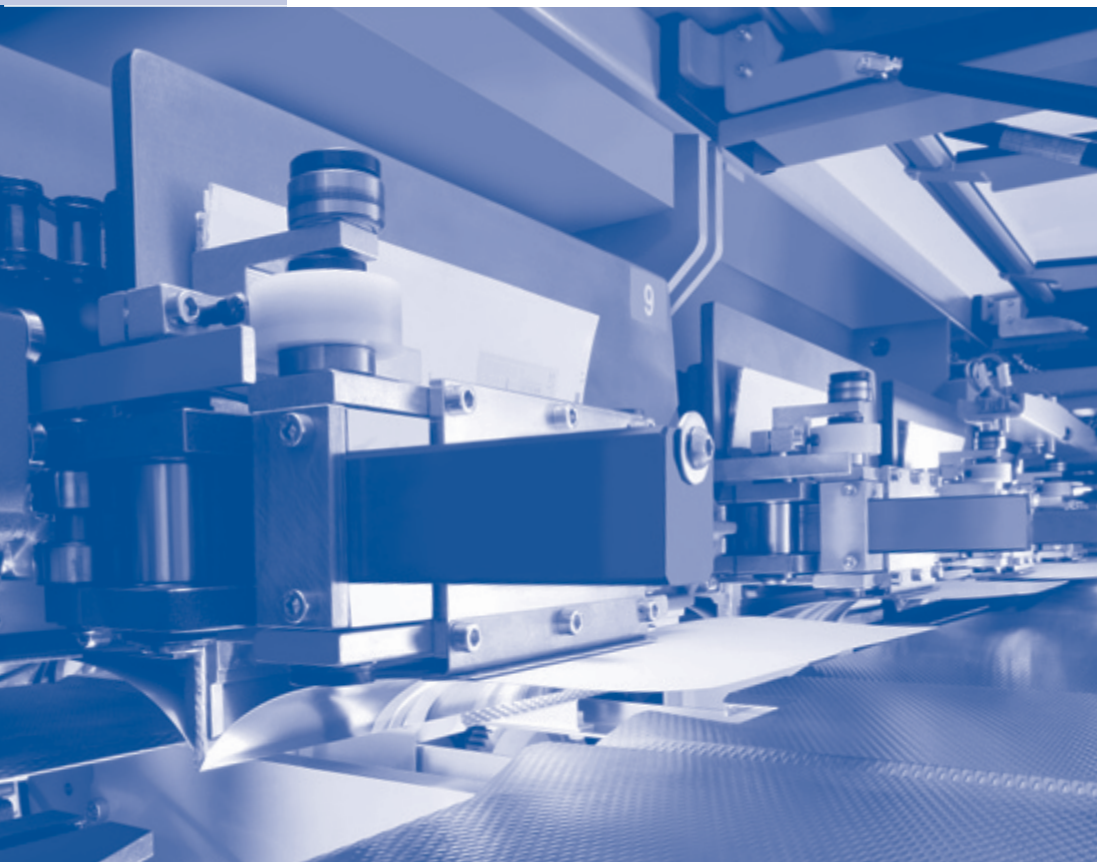


KOLBUS → Technical Data

Perfect Binder

KM 600



Perfect binder KM 600
with KOLBUS Copilot® technology,
21 oder 27 transport clamps,
7,000 cycles/h,
for the production of brochures
and book blocks

AVAILABLE EQUIPMENT

Copilot® system with TFT ›Touch Screen‹ monitor and TFT visualizing monitors featuring:

- Choice of production mode
- Format memory
- Operator guided changes of the production mode
- Automatic format adjustments
- Hang-out adjustments (depending on the machine equipment)
 - Automatic hang-out adjustments (infeed, pressing stations)
 - Manual hang-out adjustments (spine processing, gluing stations, lining station, delivery)
- Operating instructions
- Fine adjustments via +/- keys during running production
- Product counter
- Indication of machine and material flow malfunctions
- Operator guided malfunction elimination
- Safety standard according to CE directives and specifications
- **Number of clamps: 21 or 27**

INFEED

Infeed incl. coupling to a ZU gathering machine

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

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

Infeed incl. coupling to an end sheet gluer, model VA 423.A

Optional equipment for hand feeding unit:

- Feeding conveyor, model AB 124, from the right or left 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, model XMT 280, from the right or left side for sewn book blocks (mech. speed: max. 6,000 cycles/h, max. size: DIN A4)

SPINE PROCESSING STATIONS

Milling station standard

(swivellable for tool change), incl. back edge adjustment

Milling station

(swivellable for tool change)

with adjustable front joint pressing disc and pressing disc at the back, incl. back edge adjustment

Alternative/optional equipment for milling station:

- Milling head for roughening
- Milling head for strip cutting
- Cutter holding fixture for strip cutter (for wet grinding)
- Exhaust control

Spine processing station for equalizing and notching or micro notching

(automatic correction of the notching distance)

with back edge adjustment

Alternative equipment:

- Equalizing milling tool
- Notching tool
- Micro notching tool

Brushing station with roller brush

GLUING STATIONS

Spine gluing unit

- EVA-hotmelt
- Cold glue
- PUR-hotmelt

PUR-hotmelt spine nozzle gluing unit

Side gluing unit

- EVA-hotmelt in different application widths

EVA-hotmelt | PUR-hotmelt side nozzle gluing unit

Filling of the side gluing unit

Filling the EVA-hotmelt side gluing unit by premelter, model LH 375.A

Manual filling

SPINE STRENGTHENING

Lining station for processing of lining materials and gauze

Optional equipment:

- Manual swivelling mechanism
- Miss control for lining material

HEATING

IR-heater 6 kW for intermediate drying after the first cold glue application

IR-heater in the curve area (to extend the open time of the hotmelt)

COVER FEEDER

Cover feeder, model RA 49.A, separation from the stack being in an angled position

- Miss sheet control
- Low stack level control in the magazine
- Magazine jogging

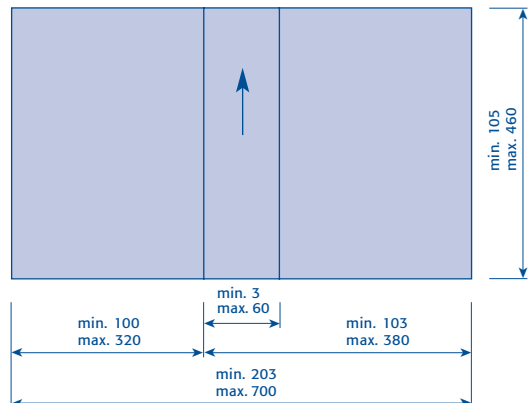
Cover feeder, model SAL 413.A

Separation from the shingled stream from above

- Conveyor for shingled pre-stacking
- Miss sheet control
- Transport zone allowing a precise alignment for the transfer to the scoring station

Cover format range

model RA 49.A and SAL 413.A



Optional equipment:

- Double sheet control
- Special equipment for the production of covers with pre-folded and folded-in covers UKV 600
- Cover recognition system Signalynx only for the cover feeder, model SAL 413.A

SCORING STATION

Scoring station and cover transport

Scoring tools for 4 or 6 scores

PRESSING STATIONS

1st pressing station

Pressing roller

2nd pressing station

Pressing rails for the processing of milled or thread-sewn products (block or brochure production/swiss brochures) and pressing rails incl. scoring-tools for mode of operation lay flat binding method I + II

Optional equipment:

Integrated device for holding the pressing rails

DELIVERY

Straight delivery for the connection with a lay down device or a transport system as cooling and drying unit

Lay-down device (plate chain) to the left, automatic speed adjustment, laterally adjustable **without or with** shingled stream function

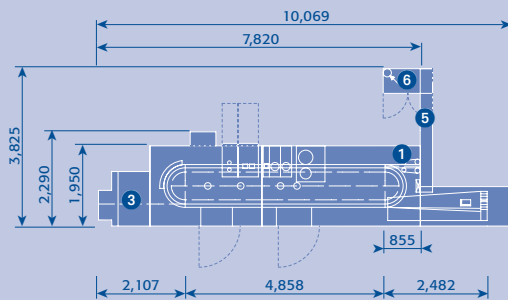
Equipment for remote diagnosis, coupling with the KOLBUS 3•60 Service portal, model AFS 701.W

Coupling with the line data management system, model ADM 701

Perfect Binder **KM 600**

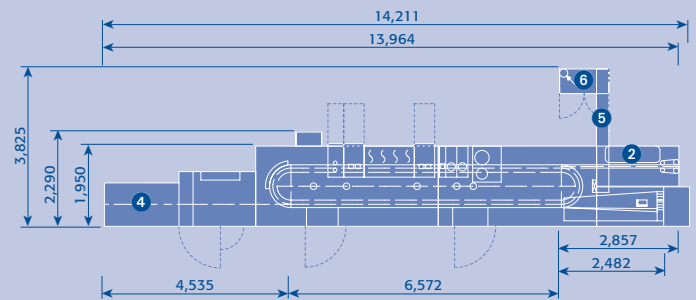


21 CLAMPS/COUPLING ZU/COVER FEEDER RA 49.A



- ❶ Infeed with coupling to a ZU
- ❷ Infeed with hand feeding unit and coupling to a ZU
- ❸ Cover feeder, model RA 49.A

27 CLAMPS/COUPLING ZU WITH HANDFEEDING/COVER FEEDER SAL 413.A



- ❹ Cover feeder, model SAL 413.A
- ❺ Cable channel height approx. 3,000 mm
- ❻ E-cabinet height approx. 2,000 mm

TECHNICAL DATA

MECHANICAL SPEED

Up to 7,000 cycles/h

Perfect binder infeed: channel width max. 70 mm

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

BLOCK FORMAT RANGE

Width x Height x Thickness

max. 320 x 383 x 60 mm

max. 190 x 460 x 60 mm

min. 100 x 105 x 3 mm

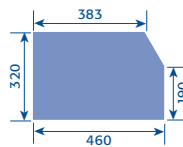
Block hang out after spine processing:

min. 10 mm

max. 15 mm

COVER FORMAT RANGE

Results from the cover feeder ordered



The customer has to provide:

COMPRESSED AIR REQUIRED

0.7 Nm³/h for central lubrication

+ 35 Nm³/h if coupled with a cover feeder

FACTORY LINE PRESSURE

6 bar

COMPRESSED AIR SUPPLY

See extra sheet

Additional air blast for the infeed and delivery

ELECTRICAL EQUIPMENT

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

REQUIRED EXHAUST CAPACITY

Spine processing stations complete:

3,000 m³/h, 1,800 Pa./2x Ø 160 mm

Hotmelt fume/for 1 spine gluing unit and

1 side gluing unit combined, perfect binder with 21 clamps:

400 m³/h, 200 Pa./2x Ø 160 mm

– 200 m³/h, 200 Pa./Ø 160 mm

– 200 m³/h, 200 Pa./Ø 160 mm

Hotmelt fume for 2 additional spine gluing units and

1 side gluing unit combined, perfect binder with 21 clamps:

700 m³/h, 200 Pa./2x Ø 160 mm

– 350 m³/h, 200 Pa./Ø 160 mm

– 350 m³/h, 200 Pa./Ø 160 mm

Hotmelt fume for 2 additional spine gluing units and

1 side gluing unit combined, perfect binder with 27 clamps:

700 m³/h, 200 Pa./3x Ø 160 mm

– 200 m³/h, 200 Pa./Ø 160 mm

– 200 m³/h, 200 Pa./Ø 160 mm

– 300 m³/h, 200 Pa./Ø 160 mm