

CASEMAKER DA 370

For the production of book cases with suitable
equipment for the digital workflow

Optimisation and automation of all processes
for digital print processing

Casemaker DA 370 | DIGITAL • up to 65 cycles/min

4
DIGITAL



Technical data



KOLBUS Casemaker DA 370 | DIGITAL

Benefits:

4
DIGITAL

- Products with a variable slice width and cloth width are manufactured by reading a product code on the cloth without interrupting production
- Cardboard cutting with four knives, format cutting for caseing and centre-strip width
- The side cut is varied for this purpose and the corner cut is adjusted
- Product data can be changed from product to product
- A powerful interface with the customer's data system enables a smooth production flow

Basic equipment

- Copilot system with touch screen
 - Choice of production mode
 - Format memory
 - Operator guided production change
 - Automatic format settings
 - Product counter (job, shift and Start/Stop counter)
 - Precision adjustment via +/- keys during production
 - Operator-guided malfunction rectification
 - Indication of machine and material flow malfunctions
 - Length measurements in mm or inch (including fraction display) selectable by user
 - Temperature values in °C or °F selectable by user
 - Time display in 12h mode or 24h mode selectable by user
 - Date display in 4 formats selectable by user
 - Pre-heating time for gluing station in weekly cycle as daily activation time or shift activation time selectable by user
- Sectional touch panel for direct operation
- Large display for showing the speed and malfunction messages
- Cloth feeder for non-stop operation with stack magazine, maximum stack height 160 mm
- Missing product check during separation of cloth and cardboard
- Cloth cylinder with grippers and interchangeable plates for rubber pads
- **Integrated cloth corner cutting unit 45°**
- Centre strip rub-down unit (head and foot)
- Rub-down unit used to bond the covering material to cardboards and spine strip without creases
- Device for padded cases (up to a maximum thickness of 8 mm with padding, compressed 4 mm)
- Data connection via RSG 800.W for digital print processing and hand scanner on the RSG. (For technical conditions see extra sheet)
- Motorised adjustments
- Function used to request individual cases for monitoring purposes on the operating side
- Barcode scanner in the cloth feeder with operation in the copilot system
- Servo-controlled drive technology based on Siemens
- Active Line Module for feeding drive energy back into the machine line network
- Safety standard in accordance with EC directives and standards



DA 370 Digital

<https://youtu.be/XXJNaR8N2-s>





Cardboard cutting with 4 knives



Cloth corner cutting suited the case size

Cardboard supply

- Board prestacking conveyor to automatically reload the magazines (stream cover and stack feeder) Length: 1,700 mm

Delivery unit

- Counter-stacker delivery with roller conveyor delivery including table, overall length: 4,500 mm and maximum stack height 125 mm

Glue processing

- Processing hot glue
 - Extendable gluing station for processing hot glue with glue preparation in the premelter, heated glue roller and scraper roller
 - Glue application adjustment outside
 - Device used for mirror gluing with hot glue
- Automated glue application adjustment
- Processing hotmelt
 - Extendable gluing station for processing hotmelt
 - Heated glue application roller and scraper roller
 - Glue application adjustment from the outside
 - Premelter GM 60 required
 - Extraction required (to be provided by the customer)

Board cutting device

- Board cutting device PS with 4 cuts used to manufacture book cases and board centre strips with a lateral cut-off in one operating step. (A waste strip transport belt transports the lateral cut-off out of the machine.)
Waste cut (outer edges): min. 7 mm | max. 35 mm
Cardboard: min. 95 mm | max. 325 mm



Optional: Board centre-strip cutting device

Centre strip: min. 6 mm | max. 90 mm

- Raw board (width) uncut: min. 211 mm | max. 670 mm
- Board thickness: min. 1 mm | max. 3 mm
- Single cut device of the PS used to cut cardboards into two pieces
- Device for cutting of 2 centre strips in the PS
2 centre strips are cut from two cardboards without waste cut
- Waste shredder

Board centre-strip cutting device

for cutting rigid centre board strips to width, with possible width variance from product to product

- Board sheet thickness max. 2 mm
- Width max. 1,500 mm | height min. 140 mm | max. 390 mm
- Board centre-strip max. 7 | max. 60 mm

Remote Service Gateway / Coupling with type RSG 800.W

Expansion of the equipment

Devices used to process:

Thin cardboards

Reference material: Ensocoat (250 g/m²)

Maximum case height is depending on the rigidity of the material

Cold glue during gluing of lining

- Cool down the glue rollers

Preparation for cold glue processing during gluing of lining

Large format (height)

Case height: max. 405 mm | Cloth height: max. 435 mm

Mirror height: max. 405 mm

Large format (width)

Open case width: max. 680 mm

Cloth width: max. 718 mm | Mirror width: max. 680 mm



Technical data

Case

- Open case (width x height)
min. 205 x 140 mm | max. 670 x 390 mm
- Joint width 4 – 15 mm
- Saddle width 14 – 120 mm
- Turn-in width, open 20 mm

Cloth (width x height)

- min. 235 x 158 mm | max. 708 x 428 mm

Cardboard

- Thickness 1 – 3 mm

Raw cardboard (uncut)

- Width 211 – 670 mm, width 680 mm possible
with the equipment large format

Cardboard, cut (width x height)

- min. 95 x 140 mm | max. 325 x 390 mm

Centre strip (cut)

- Width 6 – 90 mm

Lining (width x height)

- min. 235 x 130 mm | max. 670 x 390 mm

Mechanical speed

- up to 65 cycles/min
- Net performance depends on material and format

Machine dimensions

- L 8,266 mm | B 3,507 mm | H 1,800 mm
- Weight: 7,500 kg

To be provided by the customer:

Compressed air requirement

- 40 Nm³/h

Operating pressure

- 6 bar

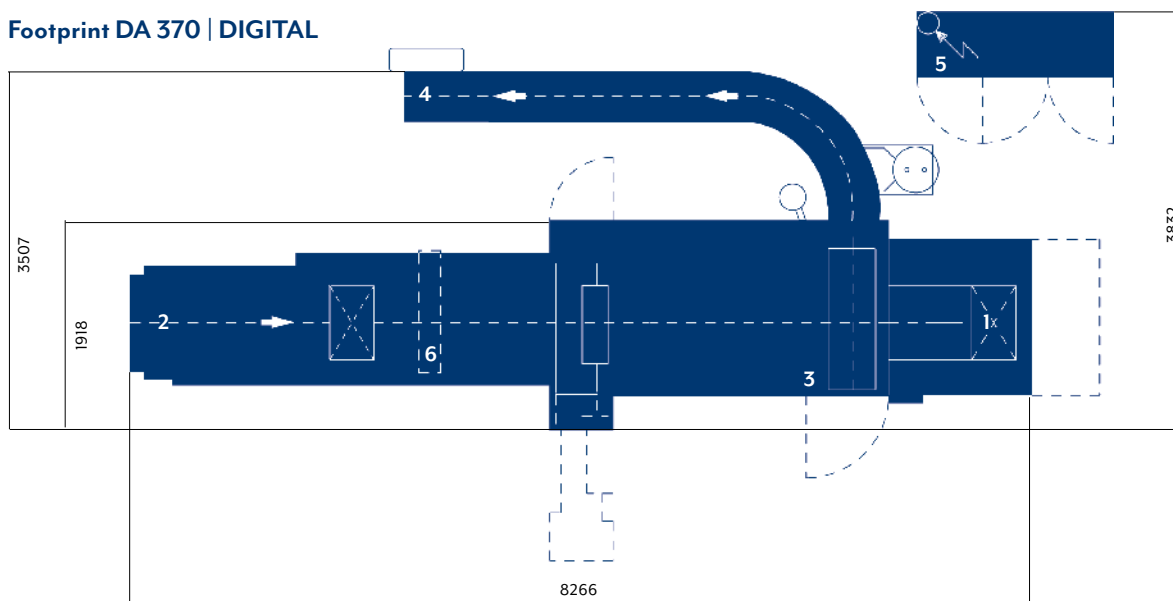
Compressed air supply

- see extra sheet

Electrical equipment

- 3 phase, 400 volt / N / PE, 50 Hz

Footprint DA 370 | DIGITAL



1 Infeed cloth

2 Infeed cardboard

3 Connection compressed air

4 Delivery cases

5 E-cabinet height approx. 2,000 mm

6 Waste removal