

CASEMAKER DA 370

For fully automatic production of book cases, files, posters, calendar backs or games

Casemaker DA 370 • up to 65 cycles/min

DA 370
65 cycles/min

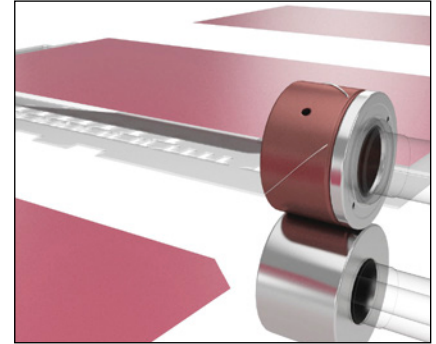
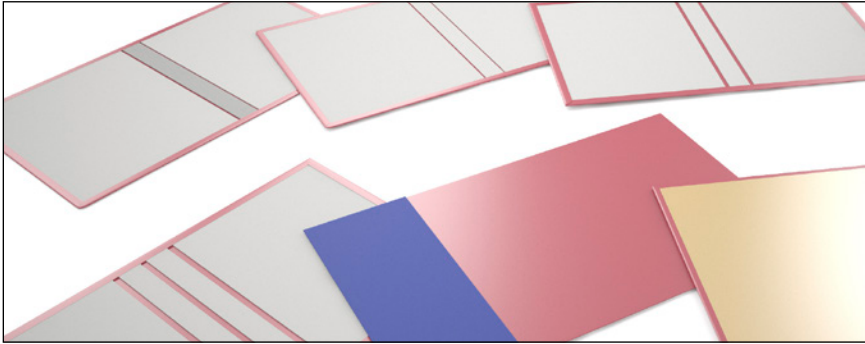


Technical data



KOLBUS Casemaker DA 370

The machine is intended for fully automatic production of book cases, files, posters, calendar backs or games



Basic equipment

- Copilot system with touch screen
 - Choice of production mode
 - Format memory
 - Automatic format settings
 - Operator guided production change
 - 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 (5 plates 500 mm wide and 5 plates 720 mm wide, incl. 10 rubber pads)
- 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)
- Motorised adjustments
- Function used to request individual cases for monitoring purposes on the operating side
- 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

<https://youtu.be/acGuoZg99ME>



Illustration: DA 370 with intergrated cloth corner cutting unit 45° and unit for rounded corners

Cardboard supply

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

Delivery unit

- Counter-stacker delivery with roller conveyor delivery including table, overall length: 4,500 mm and maximum stack height 125 mm
- Coupling with turning device, type WE 260

Centre strip roll unit

Device used to prepare centre strip roll

Centre strip feed for the spine strip made of roll material

- Mounting of 2 centre strip rolls, lengthwise and crosswise cutting unit
- Centre strip waste chop
- Set-up for automatic bonding and changing of the centre strip while the machine is running

Glue processing

- Processing hot glue with viscosity control
 - 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
- Viscosity control unit for an automatic supply of water via a water container with a pump or water connection
- 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)

Integrated cloth corner cutting unit 45°

Remote Service Gateway / Coupling with type RSG 800

Remote Service Gateway / Coupling with type RSG 800.B

Expansion of the equipment

Cardboard centre strip magazine

- 2. Cardboard centre strip magazine
 - 2 board centre strips are fed (For technical conditions see extra sheet)
- **Board cutting device PS with double cut** used to manufacture book cases and board centre strips
 - Centre strip width: 6 – 8 mm / -thickness: max. 2.5 mm
 - Centre strip width: 8 – 10 mm / -thickness: max. 3 mm
 - Centre strip width: > 10 mm / -thickness: max. 4 mm

Optional equipment for board cutting device

- Single cut device of the PS used to cut cardboards into two pieces
- Device for cutting of 2 centre strips in the PS
 - two centre strips are cut from two cardboards (For technical conditions see extra sheet)
- **Device used for casing-in and covering in two operating steps**
 - Centre strip width: 60 – 150 mm
 - Width of the cloth half: 130 mm
 - Spacing between the cloth halves: 40 – 150 mm
 - Overlap of cardboard/centre strip: 15 mm

Devices used to process:

- **Asymmetric cloths** (only possible in connection with the device used for casing-in and covering)
- **Asymmetric cases** (only possible in connection with the device for small format width)
- **Thin cardboards**
 - Reference material: Ensocoat (250 g/m²)
 - Case height: max. 300 mm
- **Cold glue during gluing of lining**
 - Device to cool down the glue rollers
- **Scoring unit for lining of grooved cardboards**
 - For a clean book case with defined grooves after lining*
- **Production of book cases with rounded corners**
 - with a variety of suitable tools for different products
- **Small format (height)**
 - Case height: min. 100 mm | Cloth height: min. 130 mm
 - Mirror height: min. 130 mm
- **Small format (width)**
 - Open case width: min. 160 mm
 - Cloth width: min. 192 mm | Mirror width: min. 156 mm
- **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



- Tool cabinet
- Template for preparing rubber pads
 - Device to prepare the rubber pads outside of the machine
- 1 set (5 pcs.) additional plates for rubber pad - 720 mm
- 1 set (5 pcs.) additional plates for rubber pad - 500 mm
- 1 set (5 pcs.) additional rubber pads

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 max. 19 mm

Cloth (width x height)

- min. 223 x 158 mm | max. 708 x 428 mm

Cardboard

Thickness 1 – 4 mm

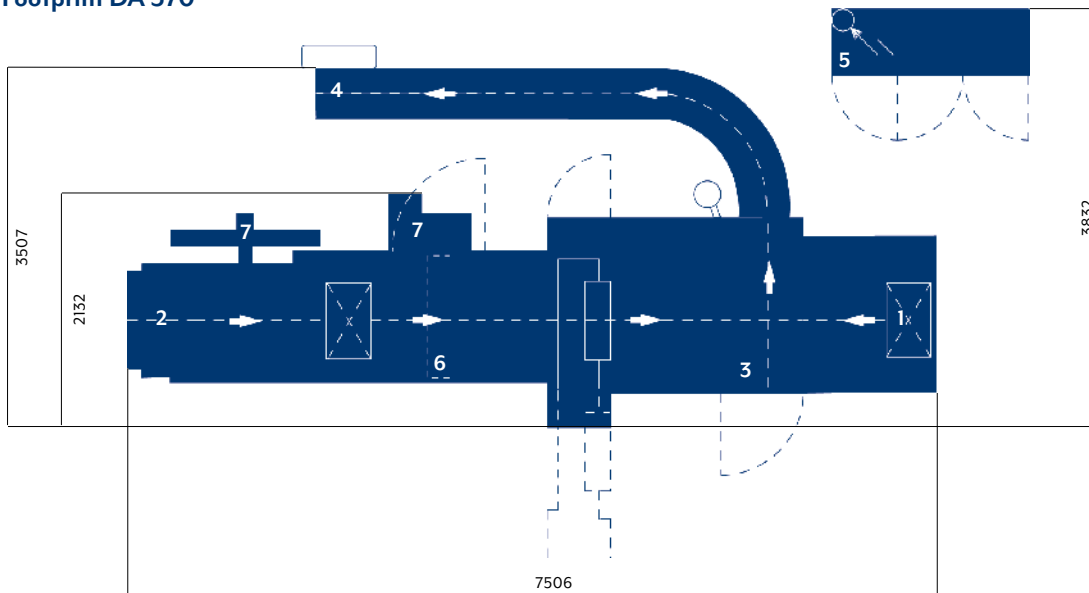
Cardboard, cut (width x height)

- min. 95 x 140 mm | max. 328 x 390 mm

Centre strip (cut)

- Width 6 – 90 mm

Footprint DA 370



- | | |
|-----------------------------|-------------------------------------|
| 1 Infeed cloth | 4 Delivery cases |
| 2 Infeed cardboard | 5 E-cabinet height approx. 2,000 mm |
| 3 Connection compressed air | 6 Option PS |
| | 7 Option with centre strip roll |

Centre strip roll

- Thickness 0,3 – 0,6 mm
- Width 9 – 90 mm

Lining (width x height)

- min. 195 x 130 mm | max. 670 x 390 mm

Mechanical speed

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

Machine dimensions

- DA 370: L 7,506 mm | B 3,507 mm | H 1,800 mm
- Gewicht: 7,300 kg
- DA 370 ines/ares: 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