# CASEMAKER DA 370

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

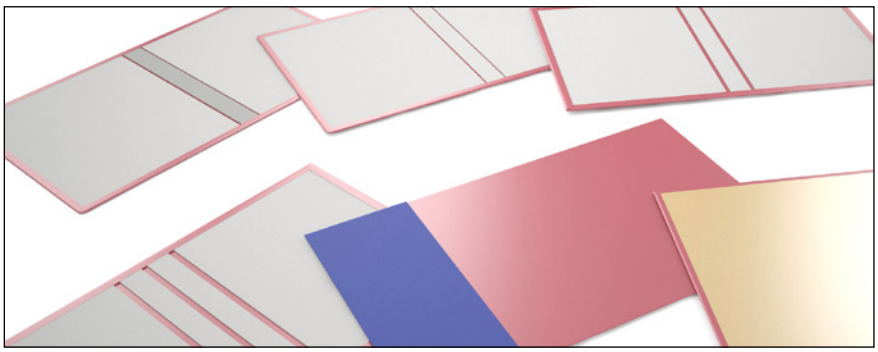
**Casemaker DA 370 • up to 65 cycles/min**

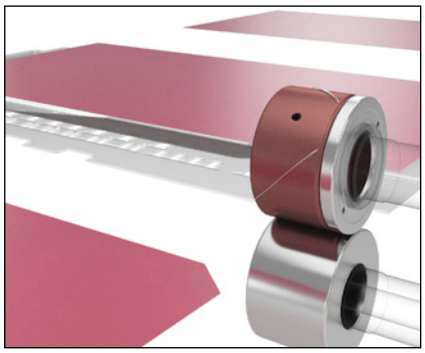

Technical data

KOLBUS

# **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 ma-chine 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)

**Intergrated 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/m$^2$)
  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

**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 $Nm^3/h$

**Operating pressure**

- 6 bar

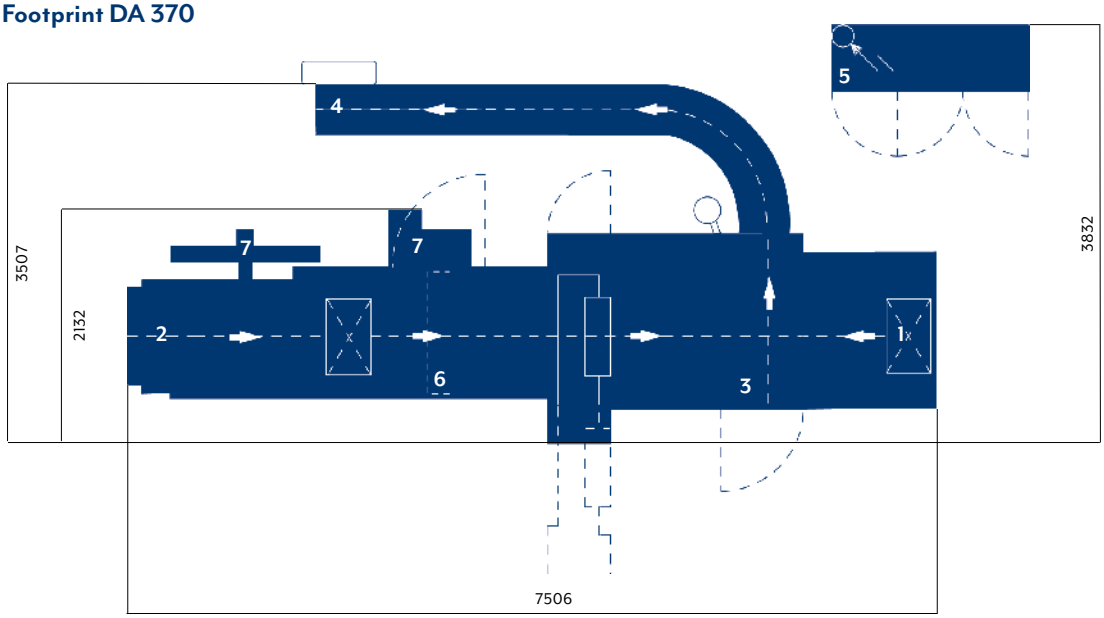
**Compressed air supply**

- see extra sheet

**Electrical equipment**

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

## Footprint DA 370




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



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