

CASEMAKER

For the fully automatic production of posters, calendar backs, games or fine packaging

Inline production: Board feeder PPA 290 • Casemaker DA 290

DA 290
40 cycles/min



Technical data



KOLBUS Casemaker DA 290

Benefits:

The machine is used for the fully automatic production of book cases, sample folders, posters, games or luxury packaging.

Special equipment for the industrial production of large-format board up to 1,062 mm width

Non-stop board feeder for automatic separation of stacked board in the DA 290

Cloth feeder for automatic separation of stacked cloths directly from the pallet
Integrated cloth corner cutting unit

Cardboard cutting device (Pappenschrenz) for large-format sample books for example wallpaper, fabric or sample collections

Basic equipment

- Copilot system with touch screen
 - Choice of production mode
 - Job memory
 - Operator guided production change
 - Product counter (job, shift and Start/Stop counter)
 - Indication of machine and material flow malfunctions
 - Operator guided malfunction rectification
- 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
- Missing cloth check during the separating process
- Extendable gluing station for processing hot glue with glue preparation in the premelter, heated glue roller and scraper roller
- Automated glue application adjustment
- Viscosity control unit for an automatic supply of water to maintain a uniform glue viscosity
- Cloth cylinder with grippers and interchangeable plates for rubber pads (5 plates 720 mm wide + 5 plates 1100 mm wide, incl. 10 rubber pads)
- Rub-down unit used to bond the covering material to cardboards and spine strip without creases
- Function used to request individual cases for monitoring purposes on the operating side
- Servo-controlled drive technology based on Siemens technology
- Active Line Module for feeding drive energy back into the machine line network
- Safety standard in accordance with EC directives and standards



left to right: Cardboard palletizer PPL 290 – Casemaker DA 290

Device for large format (width)

Open case width: max. 1062 mm

Cloth width: max. 1092 mm | Mirror width: max. 1062 mm

Integrated cloth corner cutting unit

(only in connection with cloth feeder for automatically separation of stacking cloth)

- Rub-down unit used to bond the converting material to cardboards and spine strip without creases
- Motorised adjustments
- Function used to request individual cases for monitoring purposes on the operating side
- Servo-controlled drive technology based on Siemens SIMOTION D
- Active Line Module for feeding drive energy back into the machine line network
- Safety standard in accordance with EC directives and standards

Cardboard supply

- Board feeder one-piece inclusive cardboard magazine
- Board feeder multi-piece inclusive cardboard magazine (all boards in the same thickness)
- Infeed with coupling to an upstream board feeder, type CFC 290 Board feeder for processing one-piece board in non-stop operation

Optional equipment

- Board prestacking conveyor
For automatic refilling of one-piece cardboards for exchangeable insert, Length: 1700 mm

Cloth supply

- Cloth feeder for interval feeding with stack magazine maximum stack height 250 mm
- Cloth feeder for automatically separation of stacking cloth Feeding directly from the pallet, maximum stack height 550 mm

Delivery unit

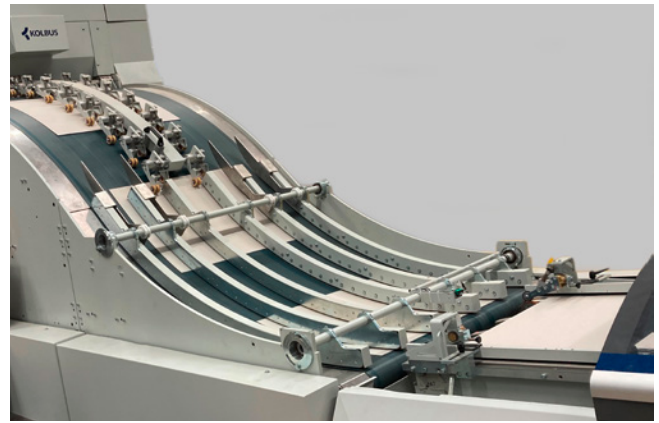
- Stream cover delivery with roller conveyor inclusive table, length 1,500 mm

Single case delivery

- with stacker to drive side, stacking height 650 mm or 1,400 mm
- Emergency delivery

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
- Automated glue application adjustment



Board feeder CFC 290 in non-stop operation



Delivery on pallet

Remote Service Gateway / Coupling with type RSG 702

- Remote Service Gateway / Coupling with type RSG 702.B

Expansion of the equipment

Board cutting device PS

- Double cut for the production of 3-part symmetrical products – middle cardboard width min. 50 mm
- 4 cuts for manufacturing up to 5-pieces products if you feed 2 boards (only in connection with board feeder multi-piece)

Equipment for

- Manufacture book cases with board centre strips
Cardboard centre strip width: 10 mm – 90 mm
Centre strip thickness = cardboard thickness

Device used to process:

- Padded cases up to a maximum thickness of 8 mm with padding, compressed 4 mm



YouTube video inline casemaking

Technical data

Case

- Open case (width x height)
min. 300 x 210 mm | max. 1,050 mm x 735 mm
Large format max. 1,062 mm x 735 mm
- Joint width 4 – 10 mm
- Turn-in width, closed 10 – 20 mm

Cloth (width x height)

- min. 295 mm x 205 mm | max. 1,080 mm (1,092 mm) x 765 mm

Cardboard

- Thickness 1 – 4 mm

Cardboard (width x height)

- min. 300 mm x 210 mm | max. 1.050 mm x 765 mm

Centre strip

- Width 10 – 90 mm

Mechanical speed

- up to 40 cycles/min
Net production is subject to sizes and materials

Machine dimensions

- Length 7,480 mm | Width 2,150 mm | Height 1,900 mm

Weight: 8.000 kg

The customer has to provide:

Compressed air requirement

- 25 Nm³/h

Factory line pressure

- 6 bar

Compressed air supply

- see extra sheet

Electrical equipment

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

Footprint casemaker DA 290 (example inline)

- 1 Casemaker DA 290
- 2 Cloth feeder DA 290
- 3 Cardboard feeder CFC 290
- 4 Cardboard palletizer PPL 290

