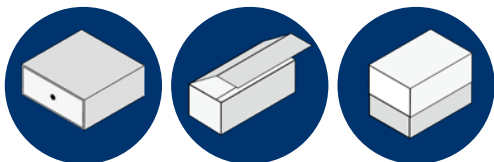# BOX LINE ASSEMBLER

Machine to assemble box cases and boxes or flat blanks

Box Line Assembler BLA 500

BLA 500
up to 40
products/min

Technical data

KOLBUS

BOX LINE Assembler BLA 500

Benefits:

- **The machine is used to assemble box cases and boxes or box cases and flat blanks**
- **Gentle, precise handling of wrapped lid elements with magnet closures**
- **Consistent product quality**
- **Fast set-up times for format changes**
- **The modular system can be optimally adapted and/or extended to meet the changing production requirements**
- **All the modules are on castors, for easy movement into or out of the line**

Basic equipment

- Copilot system with touch screen
  - Choice of production mode
  - Operator guided production change
  - Product counter (job, shift and Start/Stop counter)
  - Indication of machine and material flow malfunctions
  - Operator guided malfunction rectification
- Device for gluing box cases
- 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

Infeed

- Inline infeed with TS 200, BT 500 and AL 500
- Inline infeed with a transport system (TS 200), case turning device (BT 500) and an aligning device (AL 500)
- Cardboard feeder, type CF 500 Length 1900 mm
  - Board prestacking conveyor for automatic refilling of the cardboard feeder

Remote Service Gateway / Coupling with type RSG 800

- Remote Service Gateway / Coupling with type RSG 800.B

Various equipment

Puncher, type SW.L 400M

o Module for punching round holes and shaped holes
Punch hole ø min. 8 mm | max. 20 mm
Number of punch holes up to 10 punch holes (up to 5 per lateral stop)
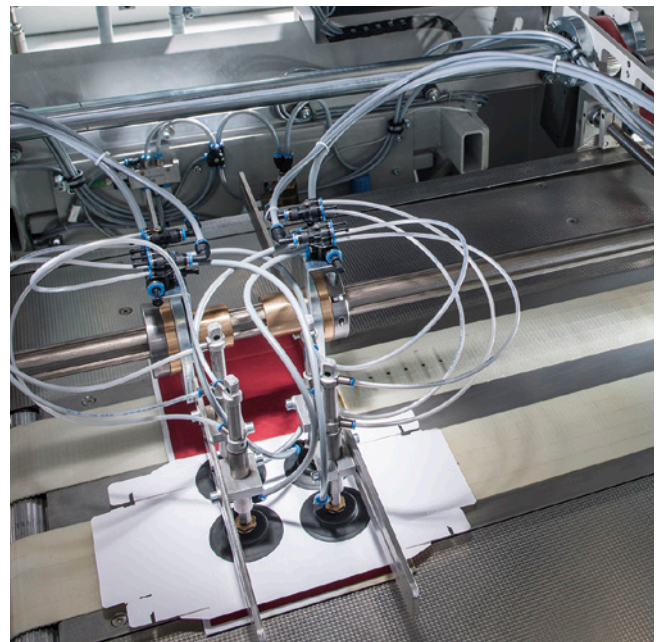
Blank placing module, type CP 500

o Module for placing flat blanks on glued box cases
o Delivery via pressure system with rollers and transport system, type TS 200
Blank sizes (width x height)
min.: 200 x 200 mm | max.: 800 x 800 mm

Twin box placing module, type BP 200

o Module for placing two boxes on glued box cases
including delivery with transport system, type TS 200
Box sizes (width x height x length)
min.: 100 x 20 x 100 mm | max.: 170 x 42 x 250 mm
Board thickness: 1.5 mm – 4 mm

Box Placer, type BP 500

o Module for placing boxes on glued box cases
including delivery with transport system, type TS 200
Box sizes (width x height x length)
min.: 65 x 20 x 130 mm | max.: 310 x 170 x 400 mm
Board thickness: 1.5 – 4 mm
   o Side Gluer, type SG 500
   Module for raising and gluing the sides of the box case to the box, box case height max. 405 mm

Additional gluing system

o For using BP 200 and BP 500
Die Cutting Placer CP 500 and Box Placer BP 500 and BP 200 can be used alternatively. The placing modules are exchangeable without tools.

Delivery unit

o Delivery via conveyor belt KT.L 700
Dimensions of KT.L 700:
Length 2000 mm, Width 750 mm, Height 800 mm

Technical data

Box Line Assembler, BLA 500

- Machine dimensions
  Length: 5,500 mm
  Width: 1,500 mm
  Height: 2,070 mm
- **Weight** 2,400 kg

Punching module, SW.L 400M

- Machine dimensions
  Length: 800 mm
  Width: 1,500 mm
  Height: 2,070 mm
- **Weight** 500 kg

Blank placing module, model Die Cutting Placer CP 500

- Machine dimensions
  Length: 1,700 mm
  Width: 1,250 mm
  Height: 2,060 mm
- **Weight** 600 kg

Box placing module, model BP 500

- Machine dimensions
  Length: 3.380 mm
  Width: 1,140 mm
  Height: 2,060 mm
- **Weight** 700 kg

Mechanical speed

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

The customer has to provide:

Compressed air requirement
- 6 Nm3/h

Factory line pressure
- 6 bar

Compressed air supply
- see extra sheet

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

Footprint BLA 500 with modules

1 Board infeed CF 500
2 Placing- and gluing area basic machine BLA 500
3 Box Placer BP 200
4 Side Gluer SG 500
5 Box Placer BP 500
6 Die Cutting Placer CP 500

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