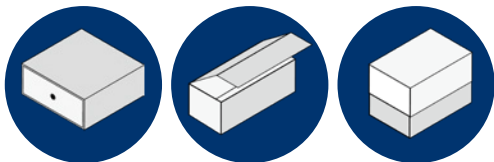


BOX LINE PUNCHER/FORMER

For punching cross grooved boards
and for production of rigid boxes from
cross grooved and corner punched boards

Modules inline: CF 500 • BLP 500 • BLF 500



BLP/BLF 500
up to 40
products/min



Technical data



BOX LINE PUNCHER & FORMER BLP 500 | BLF 500

Benefits:

- The machine is used for punching cross-grooved cardboard and for for gluing and shaping box parts
- Innovative technology without die
- Gluing nozzles for gluing grooves
- Boxes with right angles and sharply-defined edges

Basic equipment

BLP 500 | BLF

- Copilot system with touchscreen
 - Choice of production mode
 - Operator guided changes of the production mode
 - Product counter (job, shift and start/stop counter)
 - Indication of machine and material flow malfunctions
 - Operator guided malfunction elimination
- Servo-controlled drive technology based on Siemens
- Smart Line Module for energetic recovery of operating power in the line network
- Safety standard according to CE directives and specifications

BLP 500 – Puncher

- 1 set (4 pieces) of knife holders
- 5 sets (40 pieces) of knives
- 1 set (12 pieces) of cutting sticks
- Waste delivery out of the machine via conveyor, type TS 200

BLP 500 – Puncher

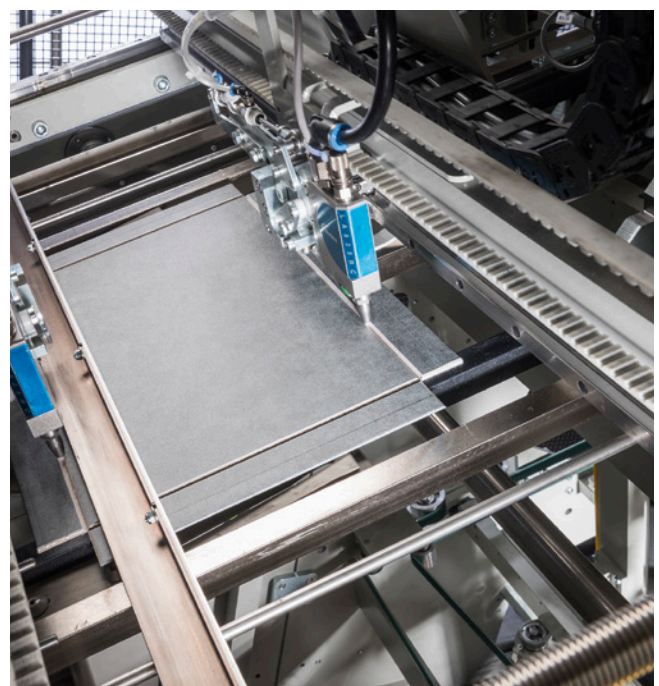
- Cold glue device with 1 set (4 pieces) of 0.3 mm gluing nozzles for gluing grooves
- Box forming device to turn-up of the side panels
- Holding station for glue drying
- Delivery with conveyor belt, delivery height 400 mm

Remote Service Gateway / Coupling with model RSG 800

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



BLF 500 Box forming station



Cold glue nozzles for gluing grooves



Infeed CF 500 of cross grooved boards in Box Line Puncher

Expansion of the equipment

Infeed

BLP 500 – Puncher

- Infeed with cardboard feeder, type CF 500
Length 1900 mm
 - Board prestacking conveyor for automatic refilling of the cardboard feeder
- Inline infeed with aligner, type AL 500
Length 1200 mm
- Inline infeed with board prestacking conveyor and cardboard feeder, type CF 500

Delivery/Infeed

- **Inline coupling with BLP 500 / BLF 500**

on delivery direct from BLP 500 – Puncher

- Delivery with transport system, type TS 200
Width 750 mm | Length 700, 1,200 or 2,000 mm
- Stream cover function on delivery conveyor
- Delivery table at the delivery conveyor

Delivery unit BLF 500 – Former

- Delivery via conveyor belt, type KT.L 700
Dimensions of KT.L 700: Length 2000 mm, Width 750 mm,
Height from 400 mm to 800 mm (height compensation)

Raising of the machine by 380 mm with steel pedestal



Technical data

Box Line Puncher BLP 500

Box Line Former BLF 500

Size range board

- o Width x Height x Thickness
min. 140 x 140 x 1,5 mm
max. 735 x 525 x 4 mm

Box height (External dimensions)

- o min. 20 mm | max. 170 mm

Box bottom (External dimensions)

- o min. 56 x 56 mm | max. 570 x 360 mm

Size range punched corner

- o depending on the external dimensions

Mechanical speed

- o up to 40 cycles/min
 - o for box height > 115 mm: max.: 35 cycles/min
 - o for box height > 135 mm: max.: 30 cycles/min
 - o for box height > 150 mm: max.: 25 cycles/min
- Net production is subject to sizes and materials

The customer has to provide:

Compressed air requirement

- o 1 Nm³/h (BLP 500)
- o 6 Nm³/h (BLF 500)

Factory line pressure

- o 6 bar

Compressed air

- o supply see extra sheet

Electrical equipment:

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

Machine dimensions

Box Line Puncher BLP 500

- o Length 1,120 mm | Width 1,500 mm | Height 2,000 mm
- Weight** 1,550 kg

Box Line Former BLF 500

- o Length 5,150 mm | Width 3,800 mm (with pedestal) | Height 2,400 mm
- Weight** 4,500 kg



BLP/BLF 500

<https://youtu.be/0T056CrsCkA>

Footprint CF 500, BLP 500 inline with BLF 500

- 1 Infeed CF 500
- 2 Connection compressed air
- 3 Delivery BLF 500
- 4 Waste disposal BLP 500

