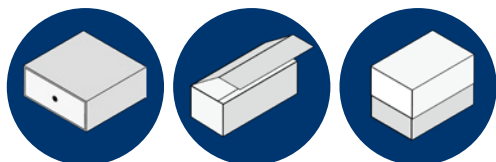


# BOX LINE PUNCHER/FORMER

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 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

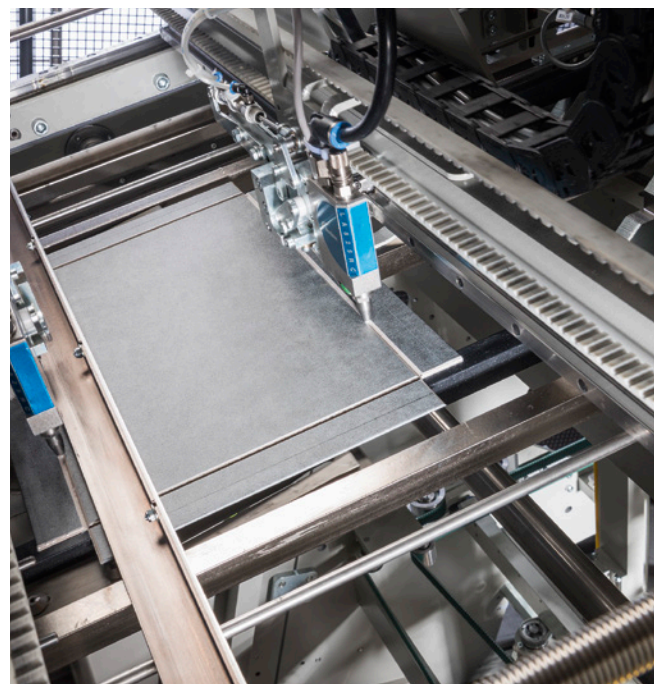
- Cold glue device with 1 set (4 pieces) of 0.3 mm gluing nozzles for gluing grooves
- Box forming device to turn-up of the side panels
- Holding station for glue drying
- Delivery with conveyor belt, delivery height 400 mm

#### 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

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

#### Box height (External dimensions)

- min. 15 mm | max. 170 mm

#### Box bottom (External dimensions)

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

#### Size range punched corner

- depending on the external dimensions

## Mechanical speed

- up to 40 cycles/min
  - for box height > 115 mm: max.: 35 cycles/min
  - for box height > 135 mm: max.: 30 cycles/min
  - 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

- 1 Nm<sup>3</sup>/h (BLP 500)
- 6 Nm<sup>3</sup>/h (BLF 500)

### Factory line pressure

- 6 bar

### Compressed air

- supply see extra sheet

### Electrical equipment:

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

## Machine dimensions

### Box Line Puncher BLP 500

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

### Box Line Former BLF 500

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



BLP/BLF 500

<https://youtu.be/OT056CrSckA>

## 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

