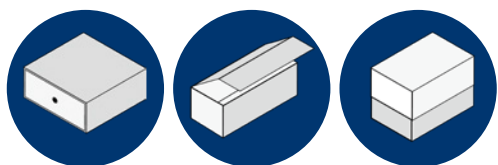


# BOX LINE ASSEMBLER

Machine to assemble box cases and boxes or flat blanks

Box Line Assembler BLA 500



**BLA 500**  
up to 40  
products/min



Technical data



# BOX LINE Assembler BLA 500 + Modules

## 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

### Wahlausrüstung

#### 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

#### Optional equipment for cardboard feeder

- 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

##### Module for punching round holes and shaped holes

- Punch hole  $\varnothing$  min. 8 mm | max. 20 mm
- Number of punch holes up to 10 punch holes (up to 5 per lateral stop)

#### Basic equipment

- 4 single punching yokes for diameters from 8 mm to 16 mm
- 4 tools for diameter 15,5 mm
- Including chip drawer

*The punch yokes and tools are required. The number of punch holes and the di-iameter result from the format and the ordered punch yokes and tools. The use of form punches is possible within the diameter.*

#### Optional equipment

- Single punching yoke for diameters from 8 mm to 16 mm | from 12 mm to 20 mm
- Duplex punching yoke for diameters from 8 mm bis 16 mm

Centre distance of the punch holes  
tools 105 mm / 145 mm

- Tools  $\varnothing$  10 mm | 11mm | 13 mm | 15,5 mm | 16 mm | 20mm
- Tool for slot punch  
5 x 16 mm







Placing module for boxes, type Box Placer BP 500

Blank placing module, module CP 500

#### Modular extension

##### Blank placing module, type CP 500

- Module for placing flat blanks on glued box cases
- Delivery via pressure system with rollers and transport system, type TS 200
- Flat blank format range (width x height)  
min. 200 x 200 mm | max. 800 x 800 mm
- Width between alignment edges 700 mm
- Overhang of strap in relation to alignment edge 50 mm

##### Twin box placing module, type BP 200

- 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

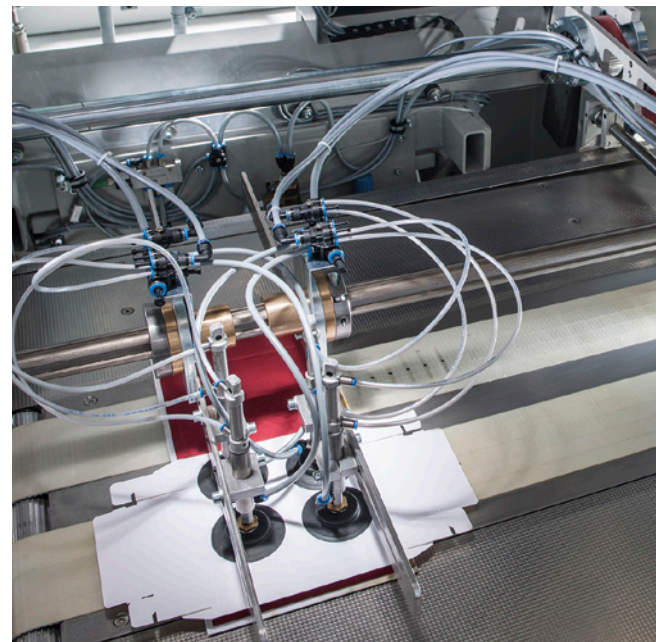
- Module for placing boxes on glued box cases including delivery with transport system, type TS 200
- Box sizes (width x height x length)  
min. 65 x 15 x 130 mm | max. 310 x 170 x 400 mm
- Board thickness 1.5 – 4 mm

##### Side Gluer, type SG 500

- Module for raising and gluing the sides of the box case to the box
- Box case height min. 140 mm | max. 405 mm

##### Additional gluing system

For using BP 200 and BP 500



*The CP 500 (flat blank) and BP 500 (single) and BP 200 (twin box) box placers can be used alternatively. The placer modules are interchangeable without tools.*

##### Delivery unit

- 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 Nm<sup>3</sup>/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

- Board infeed CF 500
- Placing- and gluing area  
basic machine BLA 500
- Box Placer BP 200
- Side Gluer SG 500
- Box Placer BP 500
- Die Cutting Placer CP 500

