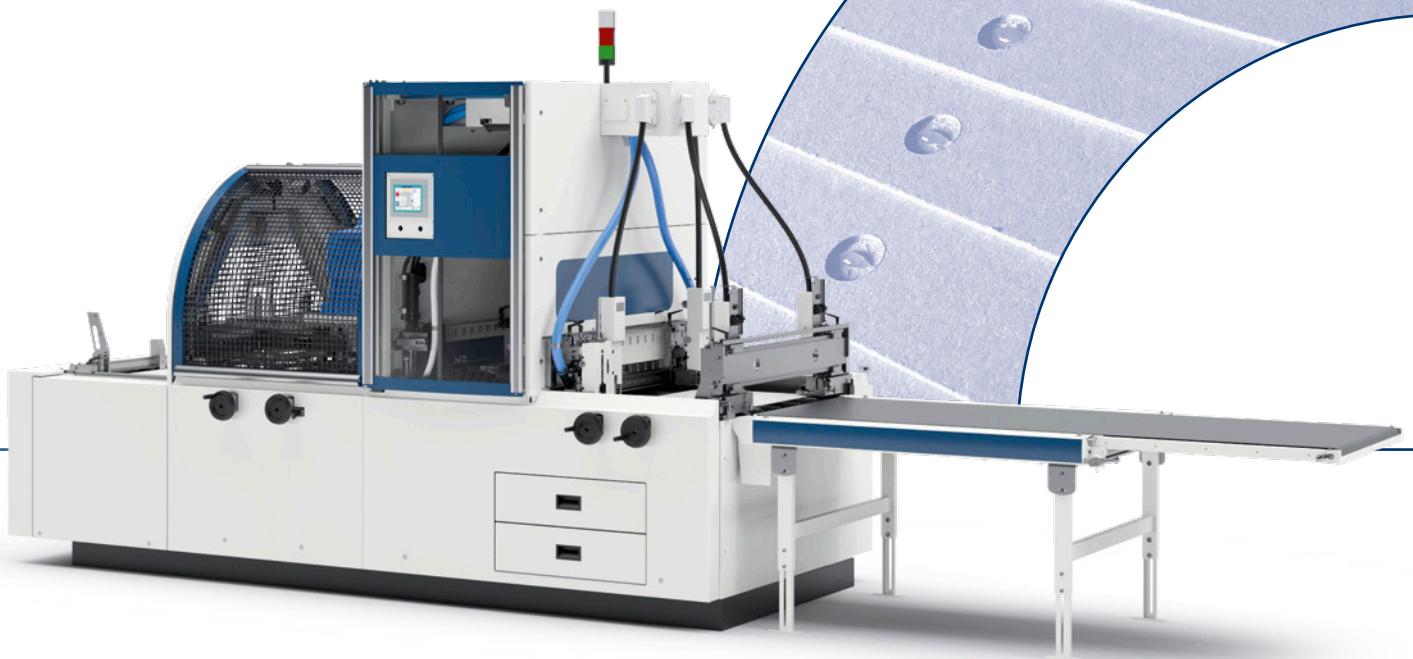


# BOX LINE MAGNET INSERTER

For milling and gluing of blind holes with subsequent separation and insertion of magnets or steel discs

Magnet inserter BLM 500

BLM 500  
40 cycles/min



Technical data

 **KOLBUS**

# BOX LINE Magnet inserter BLM 500

## Benefits:

- The machine is used to for milling and gluing of blind holes with subsequent separation and insertion of magnets or steel discs
- Less process steps, no separate hole punching and no extra label application to hold magnets in place
- Perfectly laminated magnetic or steel discs
- Consistent product quality
- Flexible positioning
- Toolless adjustment

## 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
- 2 milling stations each for one blind hole
- Device for hotmelt gluing of blind holes
- 2 inserting stations
- Waste extraction unit
- Servo-controlled drive technology based on Siemens Technology
- Smart Line Module for feeding back drive energy into the production line net-work
- Safety standard in accordance with EC directives and standards

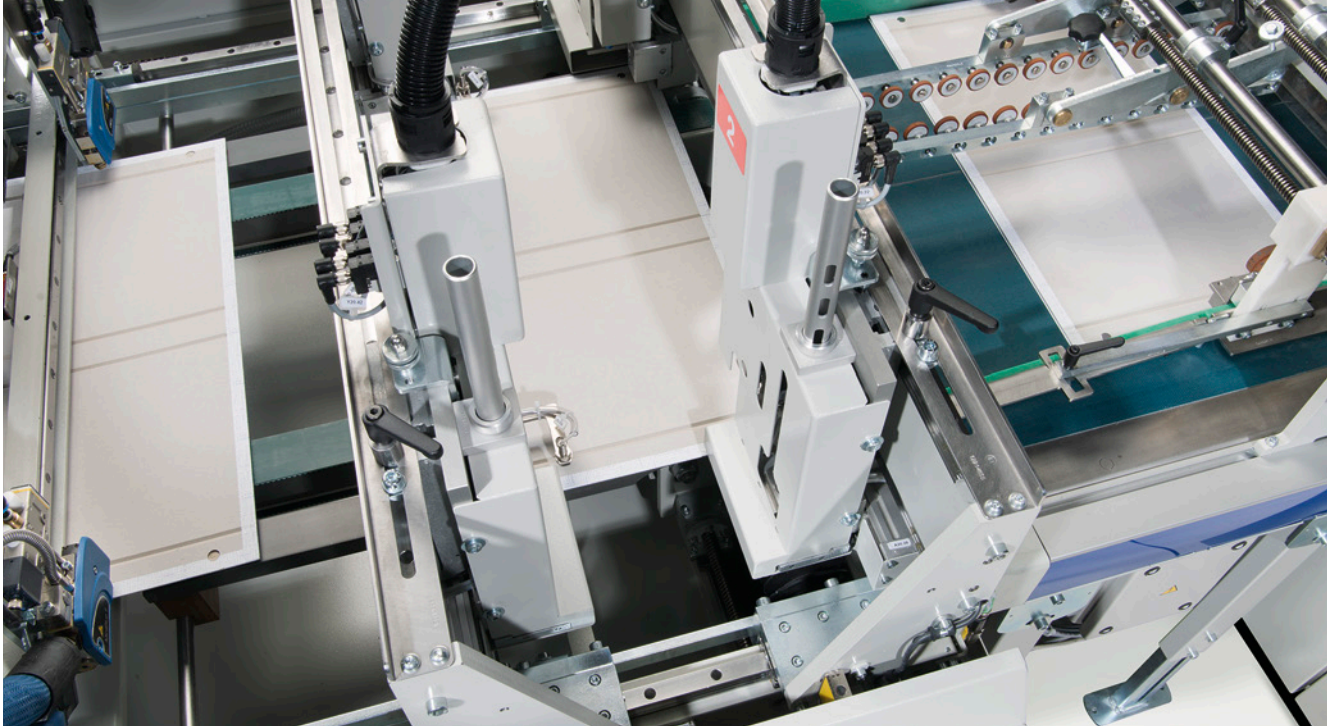
## Infeed

- Cardboard feeder, type CF 500  
Length 1900 mm
- Board prestacking conveyor for automatic refilling of the cardboard feeder
- Inline infeed with board prestacking conveyor, type CF 500

## Remote Service Gateway / Coupling with type RSG 800

Remote Service Gateway / Coupling with type RSG 800.B





Magnet inserter BLM up to 40 cycles/min

### Delivery unit

- Inline coupling with downstream SA 260
- Delivery with transport system, type TS 200  
(width 750 mm, length 700 mm / 1200 mm / 2000 mm)
- Delivery with transport system, type TS 200  
(width 750 mm, length 1500 mm - 2300 mm)

### Various equipment

#### Milling station

- 2 additional milling stations and 2 additional inserting stations each for one blind hole  
(for processing of up to 4 magnets / steel discs)

#### Steel disc sorting unit

(connect to existing inserting station)

- Steel disc sorting unit for one or two inserting station
- Steel disc sorting unit for three or four inserting stations  
(only in connection with 2 additional milling stations and magnet inserter station each for one blind hole)

#### Tools

For milling stations and inserting stations required.

Note:

- 1 set milling tools is for two milling stations  
(2 milling heads for using and 2 miller as spare)
- 1 set tools for steel disc separation is for one inserting station  
(1 tool for using and 1 tool as spare)

#### Milling tool / 1 set (4 pieces)

- 11 mm milling tool for diameter 10 mm
- 13 mm milling tool for diameter 12 mm
- 16 mm milling tool for diameter 15 mm

#### Tools for magnet separation / 1 set (4 pieces)

- Magnet thickness 1 mm | 1,5 mm | 2 mm

#### Magazine / tools for steel disc separation

- 1 Magazine for 1 inserting station for steel disc, diameter 12 mm
- Tool for separation, 1 set (2 pieces)
  - Steel discs thickness 1 mm,  $\varnothing$  12 mm
  - Steel discs thickness 1,5 mm,  $\varnothing$  12 mm
  - Steel discs thickness 2 mm,  $\varnothing$  12 mm
- 1 Magazine for 1 inserting station for steel disc, diameter 15 mm
- Tool for separation, 1 set (2 pieces)
  - Steel discs thickness 1 mm,  $\varnothing$  15 mm
  - Steel discs thickness 1,5 mm,  $\varnothing$  15 mm
  - Steel discs thickness 2 mm,  $\varnothing$  15 mm

#### Delivery table at the delivery conveyor

## Technical data

### Format range cardboard

- o Width x Height x Thickness:  
min. 140 x 140 x 1.5 mm  
max. 735 x 525 x 4 mm

### Magnet- steel disc diameter

- o 1 mm | 1,5 mm | 2 mm

### Magnet diameter

- o 10 mm | 12 mm | 15 mm

### Steel disc diameter

- o 12 mm | 15 mm

### Mechanical capacity

- o up to 40 cycles/min  
Net performance depends  
on material, and format

To be provided by the customer

### Compressed air requirement

- o 10 Nm<sup>3</sup>/h

### Operating pressure

- o 6 bar

### Compressed air supply

- o see extra sheet

### Electrical equipment

- o 3 phases, 400 volt / N / PE, 50 Hz

### Weight 2000 kg

Required extraction capacity

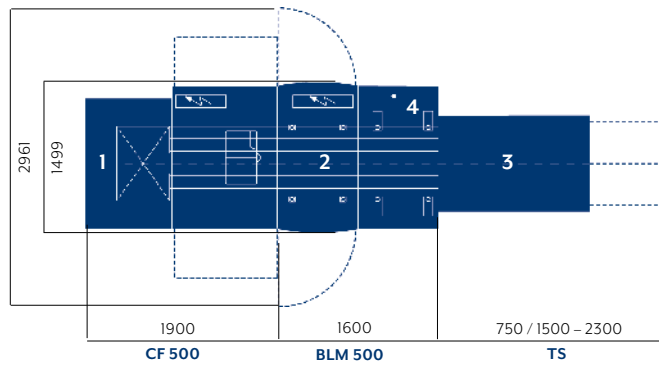
### Milling stations complete

- o Air volumen 220 m<sup>3</sup>/h
- o Vacuum 200 mbar
- o Suction house ø 50 mm

## Footprint

### Magnet inserter BLM 500

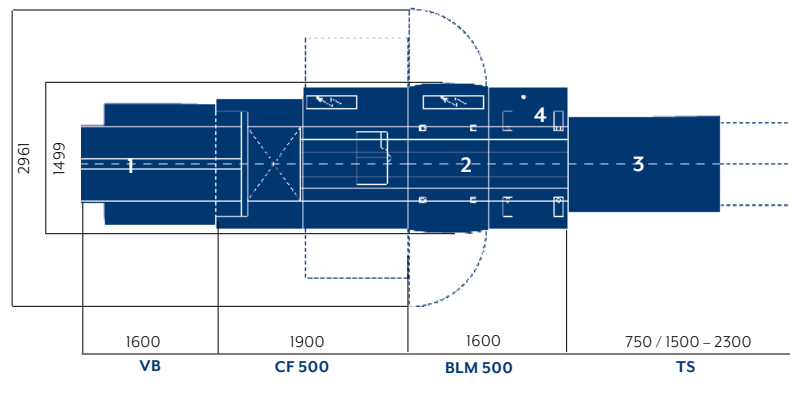
- o with board feeder CF 500



## Footprint

### Magnet inserter BLM 500

- o with board prestacking conveyor (VB)



- 1 Infeed with board feeder / height approx. 890 mm  
Infeed with board prestacking conveyor and board feeder

- 2 Magnet inserter
- 3 Delivery separated height approx. 800 mm
- 4 Compressed air connection