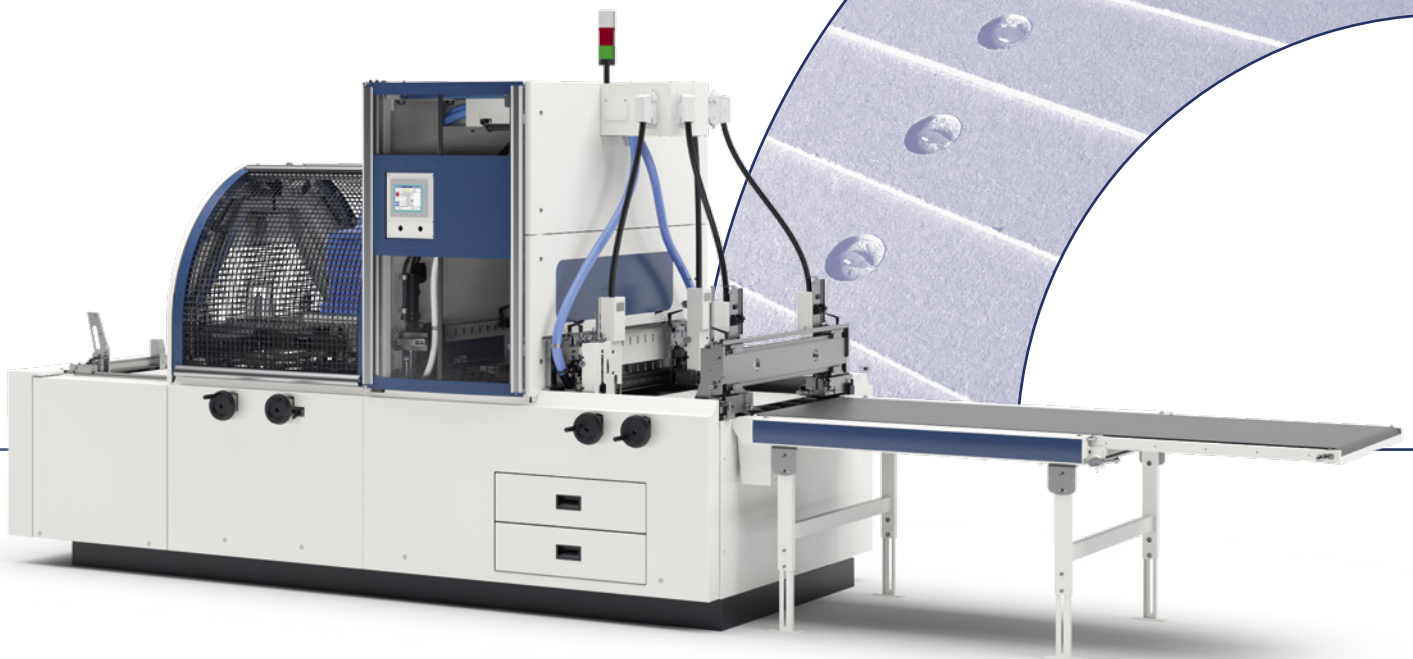


BOX LINE MAGNET INSERTER

For automatic milling and gluing of blind holes
as well as separating and inserting magnets / steel discs

Magnet inserter BLM 500 • up to max. 40cycles/min

BLM 500
40 cycles/min



Technical data



BOX LINE Magnet inserter BLM 500

Benefits:

- The machine is used to for automatic milling and gluing of blind holes with sub-sequent separation and insertion of magnets or steel discs
- Reduced processing steps, no separate hole-punching and no extra label application
- Perfectly covered magnets/steel disks
- Consistent product quality
- Tool-free adjustment

Basic equipment

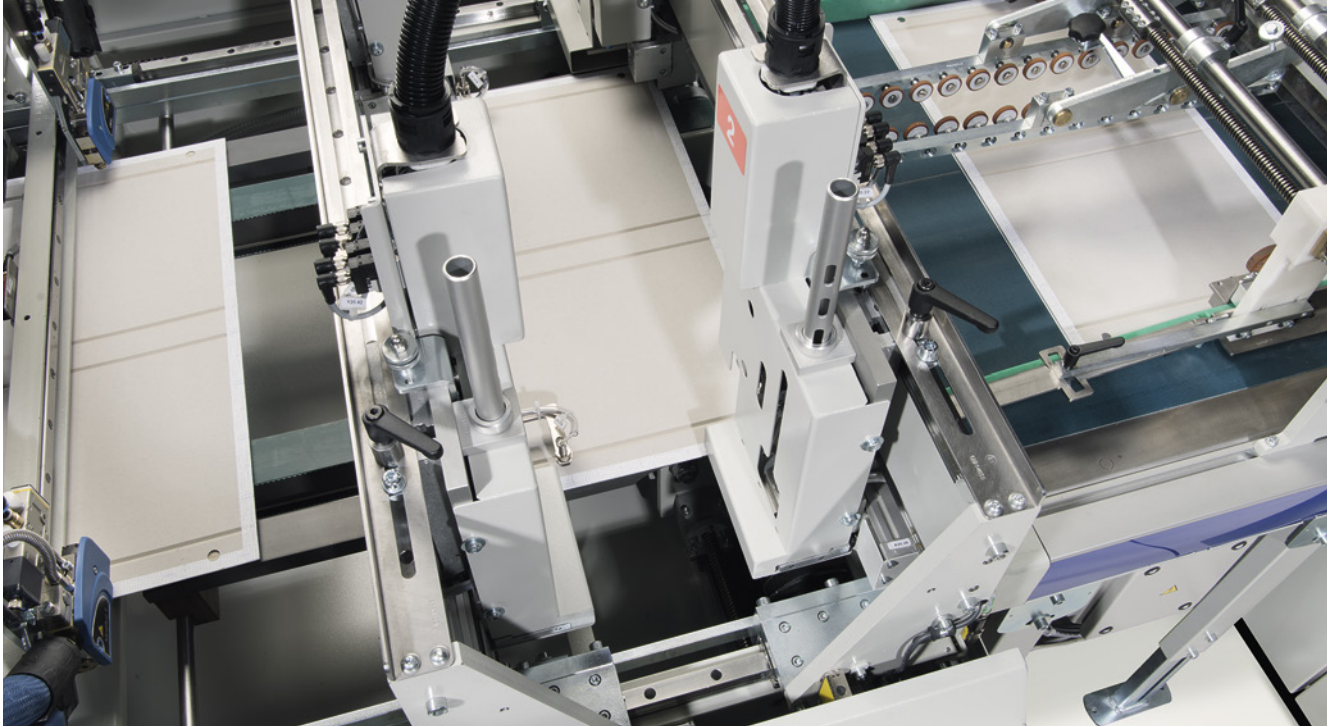
- Copilot system with touch screen
 - Choice of production mode
 - Operator guided production change
 - Product counter (job, shift and Start/Stop counter)
 - Indication of machine and material flow malfunctions
 - Operator guided malfunction rectification
- 2 milling stations each for one blind hole
- Device for hotmelt gluing of blind holes
- 2 inserting stations
- Waste extraction unit
- Servo-controlled drive technology based on Siemens SIMOTION D
- 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 1,900 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 702





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 / 1,200 mm / 2,000 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 Nm³/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 2,000 kg

Required extraction capacity

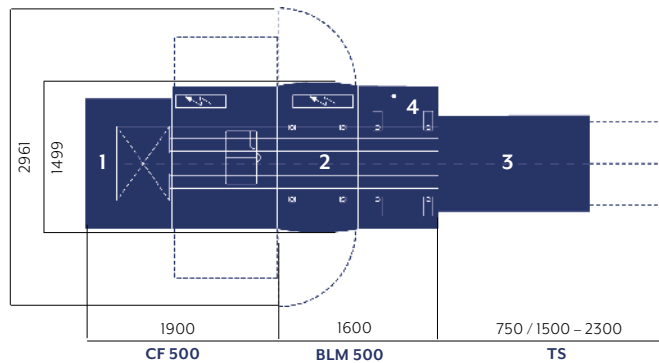
Milling stations complete

- o Air volumen 220 m³/h
- o Vacuum 200 mbar
- o Suction house ø 50 mm

Footprint

Magnet inserter BLM 500

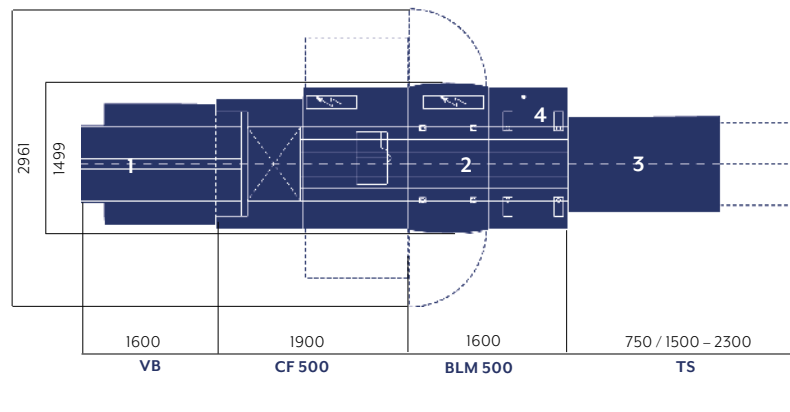
- o with board feeder CF 500



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