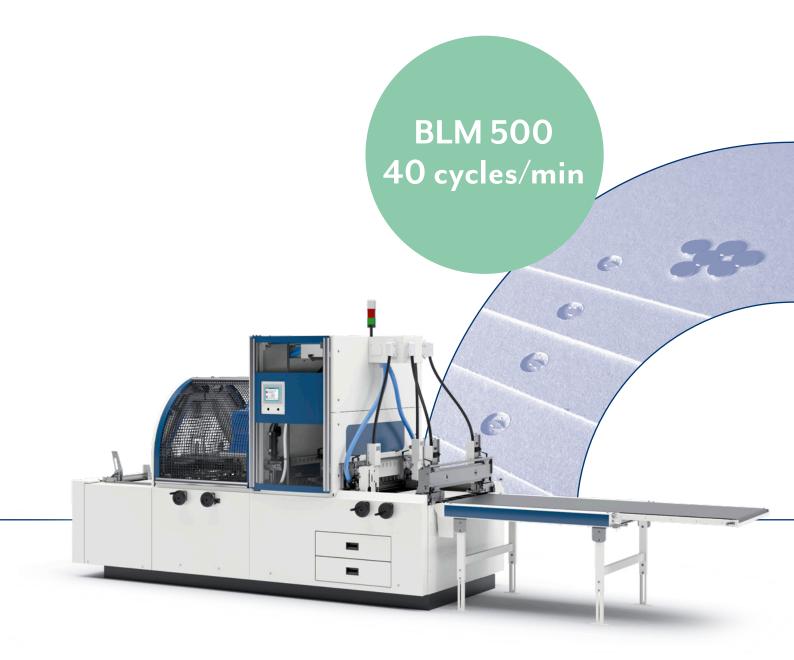
BOX LINE MAGNET INSERTER

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

Magnet inserter BLM 500





Technical data

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

- o Copilot system with touch screen
 - o Choice of production mode
 - o Operator guided production change
 - Product counter (job, shift and Start/Stop counter)
 - o Indication of machine and material flow malfunctions
 - o Operator guided malfunction rectification
- o 2 milling stations each for one blind hole
- o Device for hotmelt gluing of blind holes
- 2 inserting stations
- Waste extraction unit
- o Servo-controlled drive technology based on Siemens Technology
- o Smart Line Module for feeding back drive energy into the production line net-work
- Safety standard in accordance with EC directives and standards

Infeed

- o Cardboard feeder, type CF 500 Length 1900 mm
 - Eengin 1500 min
- Board prestacking conveyor for automatic refilling of the cardboard feeder
- o 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

- o 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)
- o 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:
- o 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)

- o 11 mm milling tool for diameter 10 mm
- o 13 mm milling tool for diameter 12 mm
- 16 mm milling tool for diameter 15 mm
- Tools for magnet separation / 1 set (4 pieces)
- o Magnet thickness 1 mm | 1,5 mm | 2 mm

Magazine / tools for steel disc separation

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

o 12 mm | 15 mm

Mechanical capacity

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

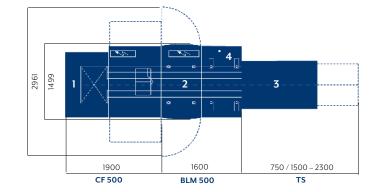
Electrical equipment

o $\,3\,phases,\,400\,volt\,/\,N\,/\,PE,\,50\,Hz$

Weight 2000 kg

Required extraction capacity Milling stations complete

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



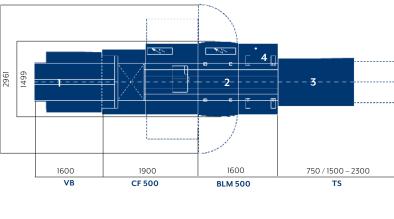
Footprint Magnet inserter BLM 500

• with board feeder CF 500

Magnet inserter BLM 500

 with board prestacking conveyor (VB)

Footprint



 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

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