

MABAS

BANK AUTOMATION SOLUTIONS

SBM-90

BANKNOTE BANDING MACHINE
WITH INTEGRATED INKJET PRINTER



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- **MABAS SBM-90** is an automatic banknote banding machine with integrated ink-jet graphic printer which is produced by the company MABAS specialized on the research & development of Banking Automation Solutions.

- **MABAS SBM-90** is an **innovative solution** for banknote banding application. The system is a heavy duty operating automatic banding machine with remarkable new features and advantages.

- Due to the integrated printer, banknote banding process with **MABAS SBM-90** becomes very easy, quick, reliable and productive. It is no longer necessary the use of stamps on band:

- Up to now, all the necessary information on a banknote strap band, like bank-name, branch-name, operator-name and date were stamped or written manually by the operator.

- **MABAS SBM-90** writes all this information automatically as 4 lines on the band after finishing the banding cycle.

- Information on 3 lines with each 20 characters can be pre-selected by the operator.

- The last line contents date (day.month.year) and time (hour: minute: second) which is generated by the system itself and not changeable by the operator.

- For transferring data lists for the 3 lines from PC, RS232/USB-interface of the **MABAS SBM-90** allows different options.

- Data transfer from PC to **MABAS SBM-90** is easy by using a Windows application program.

- With the advantages of small dimensions, less weight, less noise and 24V-DC operation safety, **MABAS SBM-90** can easily be placed at the tellers desk as an office machine and can be used in the vehicle.

- Easy operation, band reel change within some seconds and comfortable recovery. Easy cleaning of the cartridge head.

- Entering the operator menu, all operation parameters like welding temperature, tightness, and others can easily changed by the operator and displayed on the operator panel LCD-display; for example, if the paper reel quality is changed the operator can reach optimal banding quality by changing parameters.



TECHNICAL SPECIFICATIONS

Banding Speed

- Up to 20 banding cycles per minute

Operation

- Open-Loop Paper Feeding
- Heat Sealing System
- Automatic printing of 4 lines document after banding
- Operator Panel LCD 2-lines Display
- Adjustable Banding Position Mechanism
- RS232 port and memory for data transfer from PC

Banding Size

- Banknote strap with 100 banknotes
- Width 25 mm
- Height 60 – 90 mm
- Length > 90 mm

Banding Paper Reel

- PE coated paper reel, industrial standard
- Paper width 40 mm
- Reel inner diameter 50 mm or 76 mm
- Reel outer diameter up to 170 mm

Integrated Printer Function

- 4 lines print with each up to 20 characters
- Print occurs during the take-out the strap in real time
- Printed data of 3 lines is selectable by the operator
- Printed Date and Time is generated by the machine

Operating Modes After Putting In The Strap

- Automatic banding starts automatically
- Manual banding starts after pressing the button

Adjustments

- There is no mechanical adjustment
- All working parameters adjustable by operator-menu, like welding temperature, welding time, band tightness, welded overlapping area...

Power Supply (no high voltage for user safety !)

- External 24 V AC/DC Adapter, standby 5 W, max 80 W

Noise Level

- Less than 40 dB (A)

Dimensions and weight

- 400 x 112 x 255 mm (Length x Width x Height)
- 7,5 kg, produced with stainless steel

Certifications

- CE and RoHS