

# "RAPID" label dispensing systems

Rapid SM, Rapid SEM, Rapid N, Rapid PN, Rapid Mini



These **dispensers** are distinguished by the **high quality components** used, the **excellent finish** and the **robust mechanical construction**. These factors make the **RAPID dispensing systems** a reliable partner to deal with all concerns involved with labelling and to facilitate optimally adapted solutions.

A modular structure ensures the user fast and simple retrofitting or extensions to the system.

# "RAPID" label dispensing systems

## RAPID S/RAPID SM ALWAYS OPTIMALLY PLACED

The Rapid S series dispensers handle simple labelling requirements in the speed range up to 30 m/min with top precision. At higher rates of up to 60 m/min the RAPID SM series dispensers are used. The step-action motor version dispenses the label with an accuracy of  $\pm 0.5$  mm. The dispensers are modular in design and can therefore be extended by retrofitting a variety of printing and control equipment etc.

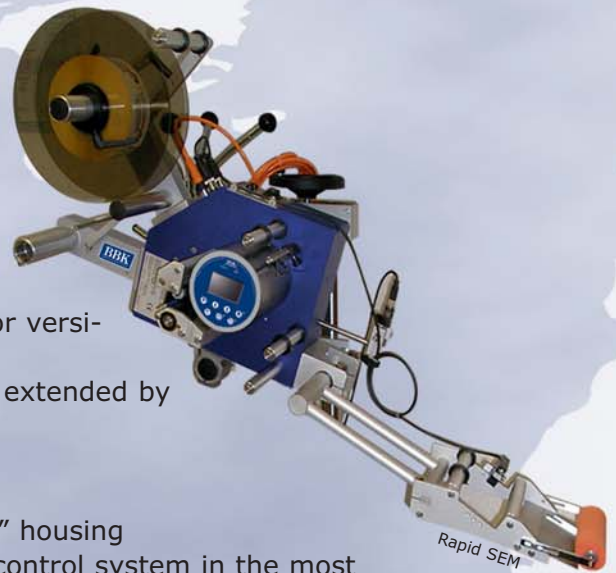
### Compact design for all applications

- Control system including operating unit in an external 19" housing
- A variety of cable lengths make it possible to attach the control system in the most accessible position
- Easily integrated into existing and new packaging lines
- Different dispenser tongues (fixed tongue, pneumatic label transfer station, movable dispenser tongue, pneumatic and magnetic dispensing tongue) guarantee precision labelling.
- Suitable for labelling a wide variety of products

### Simple fast to operate, yet intelligent

- Operator guidance via a 2-line, illuminated LCD display in the language of your choice
- Product memory for fast simple conversion to another product
- Constant monitoring of the labelling process
- Clear text display for end of label tape, torn carrier tape or other machine states

For example, the following are available as an option: thermal transfer printer, hot stamping unit, relief embossing unit, book printing ink unit, label prior warning, 5.7" touch panel, RS 232 interface or an Ethernet interface, speed adaptation, mechanical label scanning, label scanning by means of an ultrasonic sensor. Thanks to the IPZ Manager, which is available as an option, and which communicates with the dispenser via an RS 232 interface or the Ethernet interface, it is possible to control and monitor the machine from the PC without any problems.



## RAPID SEM: PRECISE – EXCELLENT – PERFECT

For all applications demanding maximum precision at a speed of up to 60 m/min (120 m/min with a motor-driven prewinder), we recommend the SEM series. These dispensers have a drive with servo motor.

- The controls, including the operating unit, are integrated in the dispenser housing
- No more space is required
- Easily integrated into existing and new packaging lines
- Various dispenser tongues (rigid dispenser tongue, pneumatic label transfer station, movable dispenser tongue, pneumatic and magnetic dispensing tongue) guarantee precision labelling.
- Suitable for labelling a wide variety of products



### **Simple fast to operate, yet intelligent**

- Operator guidance via a graphic, illuminated display (43.5 mm x 30 mm) with function keys
- Constant monitoring of the labelling process
- Icon display for end of label tape, torn carrier tape or other machine states

For example, the following are available as options: thermal transfer printer, hot stamping unit, relief embossing unit, book printing ink unit, label prior warning, 485 interface, speed adjustment, mechanical label scanning, label scanning by means of an ultrasonic sensor.

### **RAPID MINI A MIGHTY MIDGET**

Equipped with one or two pneumatic traversing units, the RAPID MINI executes simple application tasks to furnish the product with a label both while running or standing still. And the RAPID MINI needs only a tiny amount of space. It is controlled by means of an ultra fast, minute micro processor. The settings are transmitted to the micro processor by means of the software supplied with it. Once it has been configured, the PC/notebook can be withdrawn from the dispenser. This ensures that the user cannot make any setting errors during operation. Besides on and off switches (revolving snap switches) there is a fault indicator light and an illuminated push-button switch to acknowledge the fault reset. Once the parameters have been set, the user merely replaces the label reel and acknowledges the process.

### **RAPID N THIS HOW TO REALLY MAKE THINGS STICK**

Where conventional tabletop dispensers reach their limits because of their lightweight construction and the dimensions of the labels, the RAPID N comes into play.

The robust, motor-driven tabletop dispenser is available for label widths of 120 mm, 160 mm, 200 mm and 250 mm. They are scanned by means of a bifurcated light barrier, mechanical scanning or an ultrasonic stop sensor which is available as an option.

### **RAPID PN MORE THAN JUST HOT AIR**

The RAPID N was created on the basis of the concept of the tried and tested RAPID N series. Drive and control are fully pneumatic. Therefore the RAPID PN tabletop dispenser is superb for all EX zones.

On request each of the dispensing systems can be equipped with a receptacle for leporello-folded label material. Although our dispensing systems are classified according to standard widths, we also produce smaller, intermediate and larger widths to meet customer specifications.



Rapid S

## Technical data

Model	<b>Rapid S</b>	<b>Rapid SM</b>	<b>Rapid SEM</b>	<b>Rapid N</b>	<b>Rapid PN</b>	<b>Rapid Mini</b>
Drive	DC motor	Step-action motor	Servo motor	Astro motor	Compressed air motor	Astro motor
Standard widths	60, 80, 120, 160, 200 and 250 mm	60, 80, 120, 160, 200 and 250 mm	80, 160, 200 and 250 mm	120, 160, 200 and 250 mm	60, 80, 120, 160, 200 and 250 mm	60, 80, 120 mm
Table-top dispenser	–	–	–	<b>X</b>	<b>X</b>	–
Left and right design	<b>X</b>	<b>X</b>	<b>X</b>	–	–	<b>X</b>
Printing module	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	–	–	–
Control equipment	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	–	–	–
pn. transfer station	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	–	–	<b>X</b>
pn. Dispenser tongue	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	–	–	–
Magnetic dispenser tongue	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	–	–	–
Dispensing speed	0-30 m/min	0-60 m/min (120 m/min)	0-60 m/min	8 m/min	10 m/min	8 m/min
Speed control	electronic	electronic	electronic	constant	constant	constant
Labelling precision	+/- 1 mm	+/- 0,5 mm	+/- 0,5 mm	+/- 1 mm	+/- 1 mm	+/- 1 mm
Speed tracking	<b>X</b> <sup>2</sup>	–	–	–	–	–
Speed synch.	–	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	–	–	–
Label prior warning	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	<b>X</b> <sup>2</sup>	–	–	<b>X</b> <sup>2</sup>
Alarm indication	Displ.indicator light	Displ.indicator light	Displ.indicator light	(illium) push-button	–	(illium) push-button
External reel diameter	290 mm (350, 400, 450, 500 mm)	290 mm (350, 400, 450, 500 mm)	290 mm (350, 400, 450, 500 mm)	290 mm	290 mm	290 mm
Diameter of core	40 or 76 mm (100, 150 mm)	40 or 76 mm (100, 150 mm)	76 mm (100, 150 mm)	40 or 76 mm	40 or 76 mm	40 or 76 mm
Passage width	Model width + 4mm	Model width + 4mm	Model width + 4mm	Model width + 4mm	Model width + 4mm	Model width + 4mm
Weight	30 kg	32 kg	42 kg	28 kg	26 kg	28 kg
Protection class	IP 22 (optionally to IP54)	Dispenser: IP54 Electronics: IP22 (optionally to IP54)	IP54	IP22	IP22	IP22
I/O	8 E/8 A extendable to 32 E/32 A	8 E/8 A extendable to 32 E/32 A	10 E / 8 A	10 E / 8 A	–	10 E / 8 A
2-line display	<b>X</b>	<b>X</b>	–	–	–	–
Graphic display	–	–	<b>X</b>	–	–	–
Voltage supply	230V / 50 - 60 Hz	230V / 50 - 60 Hz	230V / 50 - 60 Hz	230V / 50 - 60 Hz	–	230V / 50 - 60 Hz
Control system	Micro processor	Micro processor	Micro processor	Micro processor	Pneumatic	Micro processor
Control system housing	19" housing	19" housing	In dispenser housing	Housing (200 x 300 x 155 mm)	Housing (200 x 300 x 155 mm)	Housing (200 x 300 x 155 mm)

"2": available as an option

Status: July 2007