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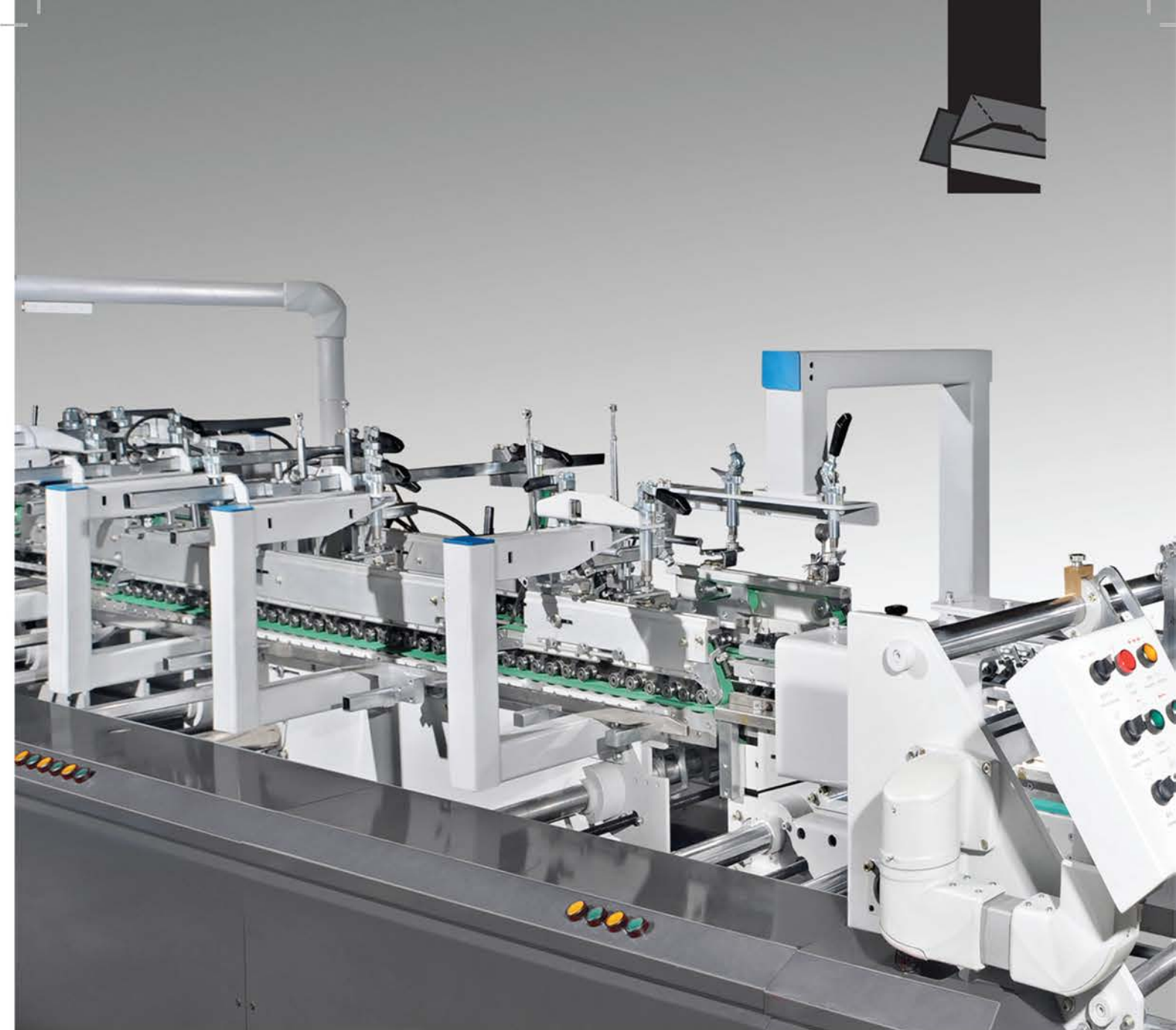
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ROYO MACHINERY

Smartfold Folder Gluers

Folder gluers

SMARTFOLD

650 / 800 / 1100

High speed automatic folder gluer

SMARTFOLD 650 PC

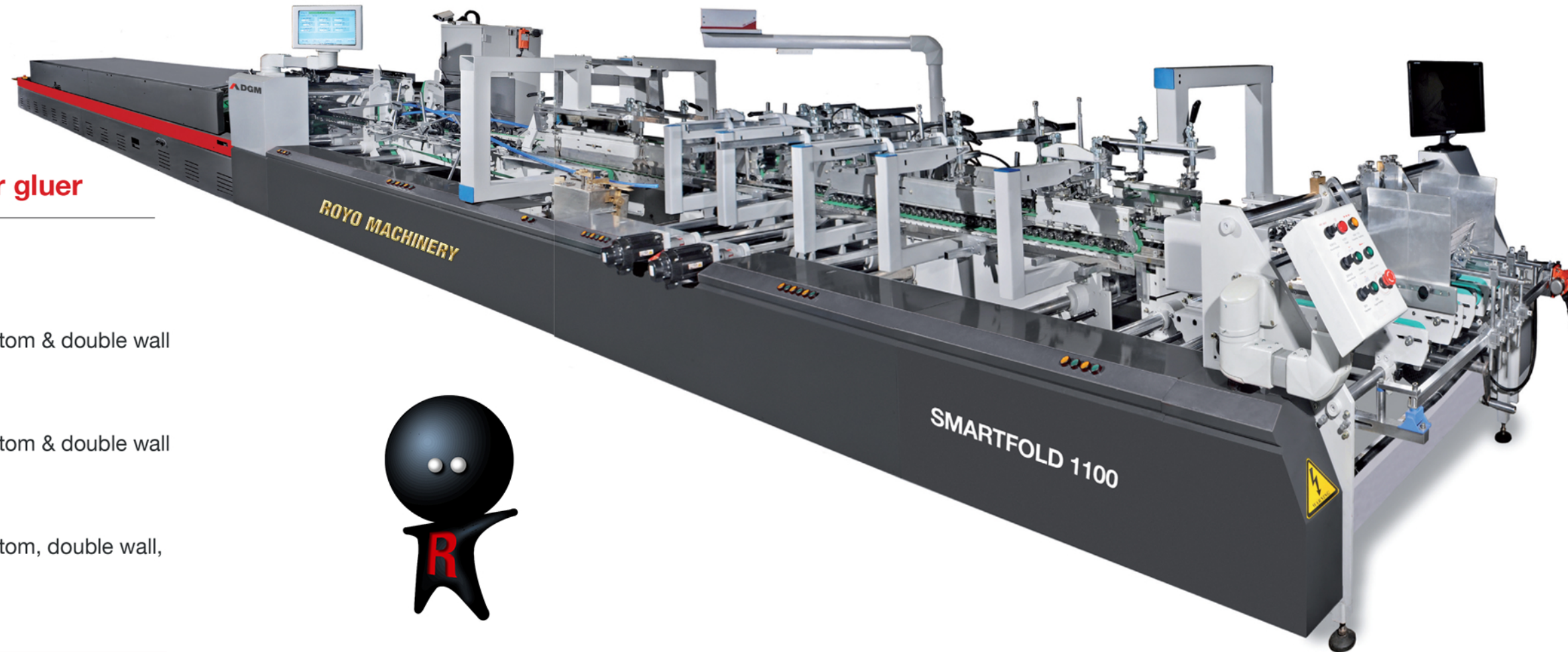
Suitable for straight-line, crash-lock bottom & double wall boxes.

SMARTFOLD 800 PC / 1100 PC

Suitable for straight-line, crash-lock bottom & double wall boxes.

SMARTFOLD 800 SL / 1100 SL

Suitable for straight-line, crash-lock bottom, double wall, 4 & 6 - corner boxes.



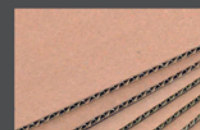
General description

SMARTFOLD series it is specially indicated for the most demanding packaging companies, commercial printers and finishers. It is optimized to run small & medium sized boxes like the ones used in pharmaceutical or cosmetic industries. It is flexible to operate and it comes with a state of the art technology and electronics. The standard version includes the accessories for straight line and crash lock bottom boxes. It is flexible and easy to operate.

MATERIALS



Carton board

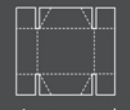


Corrugated board

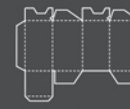
BOXES



Straight line



4 - corner box

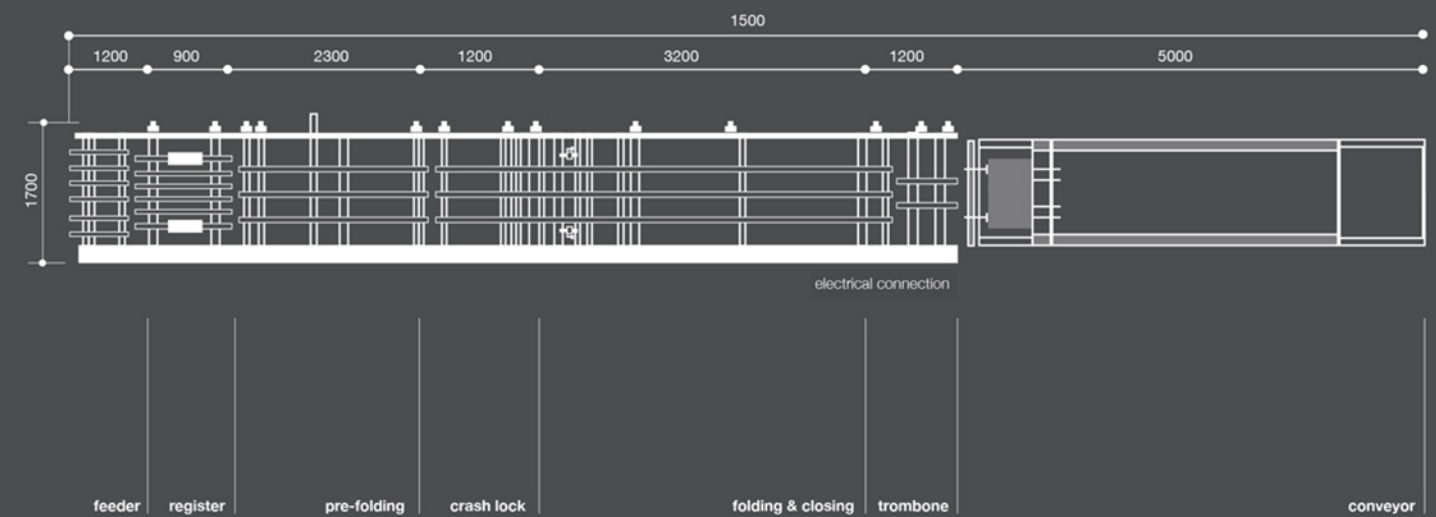


Lock - bottom box



6 - corner box

SCHEME SMARTFOLD 1100



COMPONENTS



ROYO MACHINERY

COMPONENTS FOR ALL MODELS



Feeder section

- Independent and motorized friction Feeder with variable speed.
- Adjustable electronic pile vibrator.
- Side feed gates fully adjustable to the width of the blank.
- Two adjustable front feed knives.



Side register section

- Independent section with an unparallel lower carrier that guides the box to a parallel handrail that allows a perfect blank alignment.



Pre-folding section

- Left hand glue flap pre-folder up to 180°.
- Third crease line pre-folder up to 135°.
- 1st and 3rd crease openers.



Crash lock bottom section

- Complete set of folding hooks and helixes to fold the front flaps of the blank smooth and accurately.
- Set of accesories for B-type lock bottom.



Lower gluing unit

- One lower (left side) gluing tank.
- Easy to remove and clean.
- Electronic upper gluing system by guns.



Folding and closing section

- Smooth and accurate folding of 2nd and 4th creases.
- Outer folding belts adjustable up to 180° with variable speed.
- Two upper and two lower carriers with 25 mm lower and 30 mm outer belts.
- Width-wise adjustable heavy duty compression rollers (optional).



Trombone section

- Upper and lower drive mechanism for length adjustment.
- Equipped with automatic belt tension-adjusting system.
- Continuous and automatic box collection mechanism that ensures a neat transfer to the Press section, guaranteeing a well aligned flow.



Press section (Delivery section)

- Independent and motorized press section.
- Manual and Automatic mode (follow up).
- Upper section moves back and forward, allowing for different box length.
- 650: 3.5 meters total length with 2 meters effective pressure length.
- 800 / 1100: 5 meters total length with 3.5 meters effective pressure length.
- Pneumatic pressure adjustment.

COMPONENTS FOR 800 / 1100



4 and 6 - corner device

- Motorized and untimed electronic back folding system with intelligent servo motor technology.



Servo-motor of back folding device

- Two driven shafts allow a precise fold of the rear flaps. Easy to setup through the main touchscreen.



SPECIFICATIONS

SMARTFOLD series

650

800

1100

Processed materials

Carton board max.	800 gsm	800 gsm	800 gsm
Corrugated flute type	N, E & F	N, E & F	N, E & F

Capability

Speed max.	400 m/min	400 m/min	400 m/min
Inching speed	10 m/min	10 m/min	10 m/min
Thickness of folded box max.	12 mm	20 mm	20 mm
Blank width	650 mm	800 mm	1100 mm

Dimensions & weight

PC

PC

SL

PC

SL

Length	11 m	15 m	15 m	15 m	15 m
Width	1.4 m	1.4 m	1.4 m	1.7 m	1.7 m
Height	1.8 m	1.8 m	1.8 m	1.9 m	1.9 m
Net Weight	4 Ton	6.6 Ton	6.8 Ton	7.6 Ton	7.8 Ton

Installation

Electrical connected load	12 kW	15 kW	15 kW	15 kW	15 kW
Compressed air	6 bar	6 bar		6 bar	
Air compressor capacity	10 m³/h	10 m³/h		10 m³/h	
Air tank capacity	60 L	60 L		60 L	

BOXES

SMARTFOLD

650

800

1100

650

800

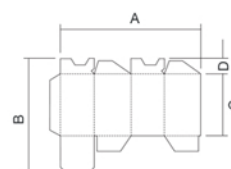
1100

Straight line

A: 126 - 650 mm
B: 60 - 500 mm

A: 126 - 800 mm
B: 60 - 800 mm

A: 126 - 1100 mm
B: 60 - 800 mm



Lock - bottom box

A: 146 - 650 mm
B: max. 450 mm
C: min. 60 mm
D: 20 - 180 mm

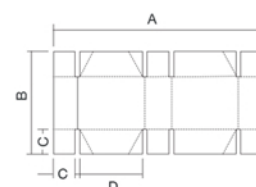
A: 146 - 800 mm
B: max. 700 mm
C: min. 60 mm
D: 20 - 180 mm

A: 146 - 1100 mm
B: max. 700 mm
C: min. 60 mm
D: 20 - 180 mm

4 - corner box

A: 120 - 800 mm
B: 130 - 800 mm
C: 20 - 150 mm
D: 80 - 500 mm

A: 120 - 1100 mm
B: 130 - 800 mm
C: 20 - 150 mm
D: 80 - 800 mm



6 - corner box

A: 120 - 800 mm
B: 130 - 800 mm
C: 30 - 150 mm
D: 80 - 355 mm

A: 250 - 1100 mm
B: 130 - 800 mm
C: 30 - 150 mm
D: 80 - 505 mm

