SMARTFOLD Folder-gluers

650 / 800 / 1100

HIGH SPEED AUTOMATIC FOLDER GLUER

SMARTFOLD series 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.

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.
Servo-motor of back folding device

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

Folding and closing section

- Smooth and accurate folding of 2nd and 4th creases.
- Outer folding belts adjustable up to 180º 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.

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

COMPONENTS FOR ALL MODELS

1. 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.

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

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

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

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

6. Folding and closing section
   - Smooth and accurate folding of 2nd and 4th creases.
   - Outer folding belts adjustable up to 180º 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).

7. 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.

8. 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

9. 4 and 6 - corner device
   - Motorized and untimed electronic back folding system with intelligent servo motor technology.

10. 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

<table>
<thead>
<tr>
<th>Processed materials</th>
<th>SMARTFOLD 650</th>
<th>SMARTFOLD 800</th>
<th>SMARTFOLD 1100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carton board max.</td>
<td>800 g/m²</td>
<td>800 g/m²</td>
<td>800 g/m²</td>
</tr>
<tr>
<td>Corrugated flute type</td>
<td>N, E &amp; F</td>
<td>N, E &amp; F</td>
<td>N, E &amp; F</td>
</tr>
</tbody>
</table>

### Capability

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SMARTFOLD 650</th>
<th>SMARTFOLD 800</th>
<th>SMARTFOLD 1100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed max.</td>
<td>400 m/min</td>
<td>400 m/min</td>
<td>400 m/min</td>
</tr>
<tr>
<td>Inching speed</td>
<td>20 m/min</td>
<td>20 m/min</td>
<td>20 m/min</td>
</tr>
<tr>
<td>Thickness of folded box max.</td>
<td>12 mm</td>
<td>20 mm</td>
<td>20 mm</td>
</tr>
<tr>
<td>Blank width</td>
<td>650 mm</td>
<td>800 mm</td>
<td>1100 mm</td>
</tr>
</tbody>
</table>

### Dimensions & weight

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SMARTFOLD 650</th>
<th>SMARTFOLD 800</th>
<th>SMARTFOLD 1100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>13.23 m</td>
<td>15.51 m</td>
<td>15.51 m</td>
</tr>
<tr>
<td>Width</td>
<td>1.44 m</td>
<td>1.36 m</td>
<td>1.66 m</td>
</tr>
<tr>
<td>Height</td>
<td>1.3 m</td>
<td>1.4 m</td>
<td>1.4 m</td>
</tr>
<tr>
<td>Net Weight</td>
<td>6.5 Ton</td>
<td>7.2 Ton</td>
<td>7.8 Ton</td>
</tr>
</tbody>
</table>

### Installation

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SMARTFOLD 650</th>
<th>SMARTFOLD 800</th>
<th>SMARTFOLD 1100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical connected load</td>
<td>17 kW</td>
<td>22 kW</td>
<td>22 kW</td>
</tr>
<tr>
<td>Compressed air</td>
<td>6 bar</td>
<td>6 bar</td>
<td>6 bar</td>
</tr>
<tr>
<td>Air compressor capacity</td>
<td>10 m³/h</td>
<td>10 m³/h</td>
<td>10 m³/h</td>
</tr>
<tr>
<td>Air tank capacity</td>
<td>60 L</td>
<td>60 L</td>
<td>60 L</td>
</tr>
</tbody>
</table>

### BOXES

<table>
<thead>
<tr>
<th>Type</th>
<th>SMARTFOLD 650</th>
<th>SMARTFOLD 800</th>
<th>SMARTFOLD 1100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight line</td>
<td>A: 126 - 650 mm</td>
<td>A: 126 - 800 mm</td>
<td>A: 126 - 1100 mm</td>
</tr>
<tr>
<td></td>
<td>B: 100 - 500 mm</td>
<td>B: 60 - 800 mm</td>
<td>B: 100 - 800 mm</td>
</tr>
<tr>
<td></td>
<td>H: 58 - 320 mm</td>
<td>H: 58 - 380 mm</td>
<td>H: 58 - 530 mm</td>
</tr>
<tr>
<td>Lock - bottom</td>
<td>A: 146 - 650 mm</td>
<td>A: 146 - 800 mm</td>
<td>A: 146 - 1100 mm</td>
</tr>
<tr>
<td></td>
<td>B: 110 - 500 mm</td>
<td>B: 110 - 800 mm</td>
<td>B: 110 - 800 mm</td>
</tr>
<tr>
<td></td>
<td>E: 68 - 320 mm</td>
<td>E: 68 - 368 mm</td>
<td>E: 68 - 518 mm</td>
</tr>
<tr>
<td>Double - wall</td>
<td>A: 200 - 650 mm</td>
<td>A: 200 - 800 mm</td>
<td>A: 200 - 1100 mm</td>
</tr>
<tr>
<td></td>
<td>B: 100 - 500 mm</td>
<td>B: 100 - 800 mm</td>
<td>B: 100 - 800 mm</td>
</tr>
<tr>
<td></td>
<td>D: 30 - 150 mm</td>
<td>D: 30 - 150 mm</td>
<td>D: 30 - 150 mm</td>
</tr>
<tr>
<td></td>
<td>E: 80 - 530 mm</td>
<td>E: 80 - 680 mm</td>
<td>E: 80 - 980 mm</td>
</tr>
<tr>
<td>4 - corner</td>
<td>A: 140 - 750 mm</td>
<td>A: 140 - 1050 mm</td>
<td>A: 140 - 1050 mm</td>
</tr>
<tr>
<td></td>
<td>B: 140 - 800 mm</td>
<td>B: 140 - 800 mm</td>
<td>B: 140 - 800 mm</td>
</tr>
<tr>
<td></td>
<td>H: 25 - 150 mm</td>
<td>H: 25 - 150 mm</td>
<td>H: 25 - 150 mm</td>
</tr>
<tr>
<td>4 - corner with Lid</td>
<td>A: 250 - 800 mm</td>
<td>A: 250 - 1020 mm</td>
<td>A: 250 - 1020 mm</td>
</tr>
<tr>
<td></td>
<td>B: 250 - 800 mm</td>
<td>B: 250 - 1020 mm</td>
<td>B: 250 - 1020 mm</td>
</tr>
<tr>
<td></td>
<td>H: 25 - 150 mm</td>
<td>H: 25 - 150 mm</td>
<td>H: 25 - 150 mm</td>
</tr>
</tbody>
</table>

### SCHEME SMARTFOLD 1100

- **Straight line**
- **Lock - bottom**
- **Double - wall**
- **4 - corner**
- **4 - corner with Lid**
- **6 - corner**

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**Dimensions & weight**

- **Length**
- **Width**
- **Height**
- **Net Weight**

**Installation**

- **Electrical connected load**
- **Compressed air**
- **Air compressor capacity**
- **Air tank capacity**
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