

B R O N W A Y



**SW-2700[®] Spindle Shrink Wrap
Material Applicator
Specification Document**

SW-2700[©] Spindle Shrink Wrap Material Applicator

The Bronway SW-2700 Spindle Shrink Wrap Material Applicator has been designed to apply shrink material to CDs on a spindle being prepared for bulk packing. The system operates by wrapping shrink material to form a sleeve with a tear strip around the CDs on the spindle prior to shrinking. The sleeve is closed by an impulse-heating element, which forms a clean straight seal on the shrink material. The spindles are fed into and out of the SW-2700 by an integrated conveyor and can be interfaced directly to the ST-2700 Spindle Shrink Tunnel. The SW-2700 is designed to replace manual application of pre-formed sleeves to spindles prior to shrinking thus significantly reducing cost in pre-formed sleeve material and labour.



Features And Benefits

- **In-line High Capacity Sleeve Applicator**

The SW-2700 is an in-line, high capacity sleeve applicator that can form sleeves for up to 600 spindles per hour. The shrink material is fed from two rolls via dance arms and can form sleeves between 150mm and 330mm in height by adjusting the material used. When compared with the traditional manual method of shrink material application, the SW-2700 offers substantial labour cost savings.
- **Automatic Spindle Detection**

The spindle with the CDs to be wrapped, are automatically detected as they pass through the SW-2700 by a sensor allowing the sleeve to be formed around the spindle in an efficient and reliable manner.
- **Automatic Disc Sleeve Adjustment**

The SW-2700 automatically adjusts the diameter of the shrink material depending on the size of the CDs on the spindle. Thus 120mm, 80mm and 65mm CD's can be accommodated for bulk packaging.
- **Integrated Tear Strip Manufacture**

The SW-2700 manufactures a tear strip as an integral part of the sleeve forming process.
- **Ergonomic Design**

The unit is constructed from stainless steel; its lightweight and small footprint mean the SW-2700 can be easily integrated into any manufacturing environment including the Bronway Bulk Packaging work cell.
- **Material Costs**

The raw material used in the SW-2700 is very competitively priced when compared to pre-formed sleeves.
- **Reduced Labour Costs**

By automating the shrink material application process, the labour required to operate a packaging cell is significantly reduced.

Specifications

- Power Requirements: Single-phase 220V 5A.
- Air Supply: 6 Bar/ 100 PSI.
- Sleeve height: 150–330mm
- Sleeve width: Automatically adjusts for the CD diameter.
- Automatic optical spindle detection sensor.
- Impulse heating element for sleeve forming.
- Algorithmic control of heating element timing.
- Hardwired safety circuit.
- PLC controlled.
- MMI via an LCD panel.
- All stainless steel construction.
- Capacity in excess of 600 spindles per hour.
- Weight approximately 150Kg.
- Overall size: 700 (W) x 1200 (L) x 1420 (H) mm
- In-feed conveyor length: 365mm
- Out-feed conveyor length: 175mm
- Conveyor speed 120mm/sec.
- Conveyor Height: 870mm +/- 20mm
- CE Marked.

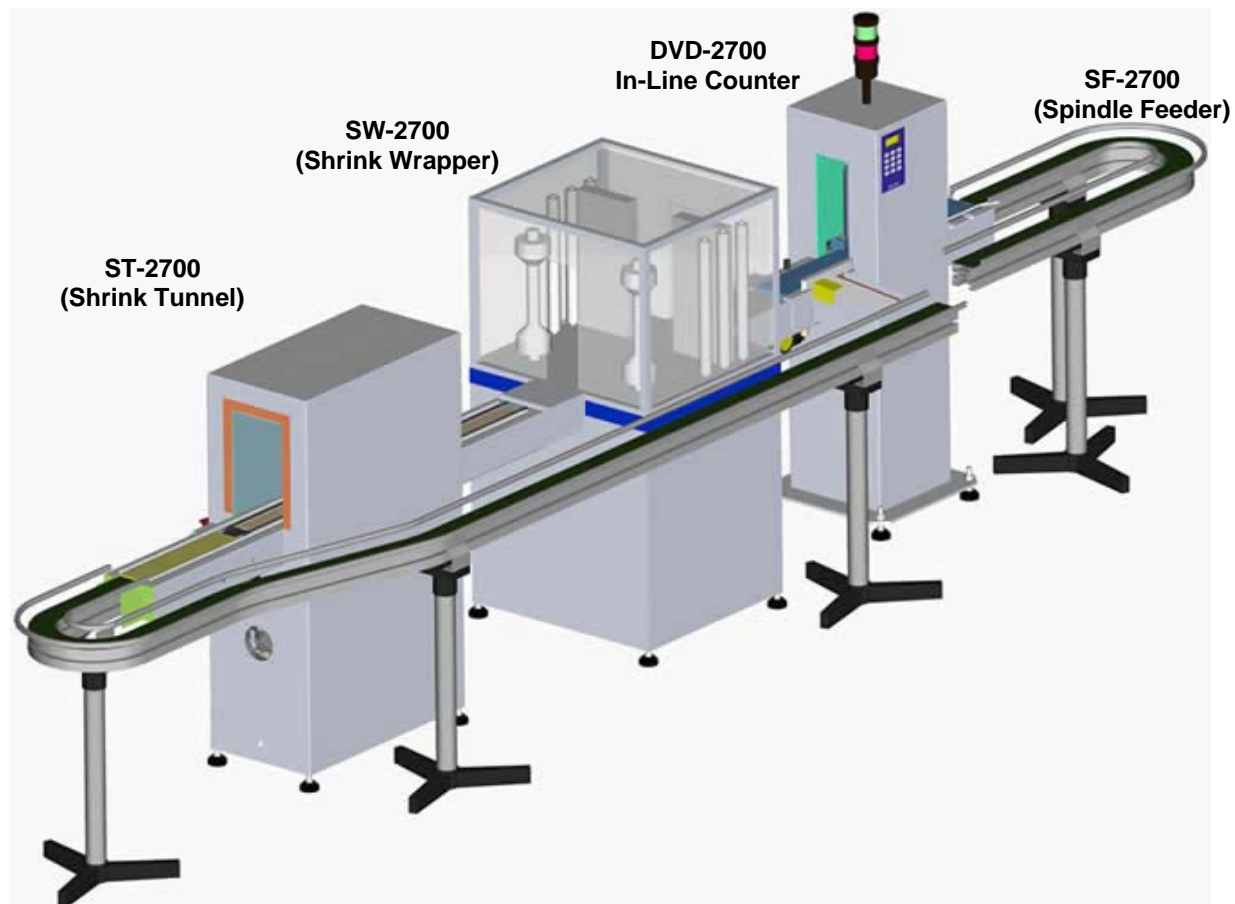
BP-2700 Bulk Packaging Cell

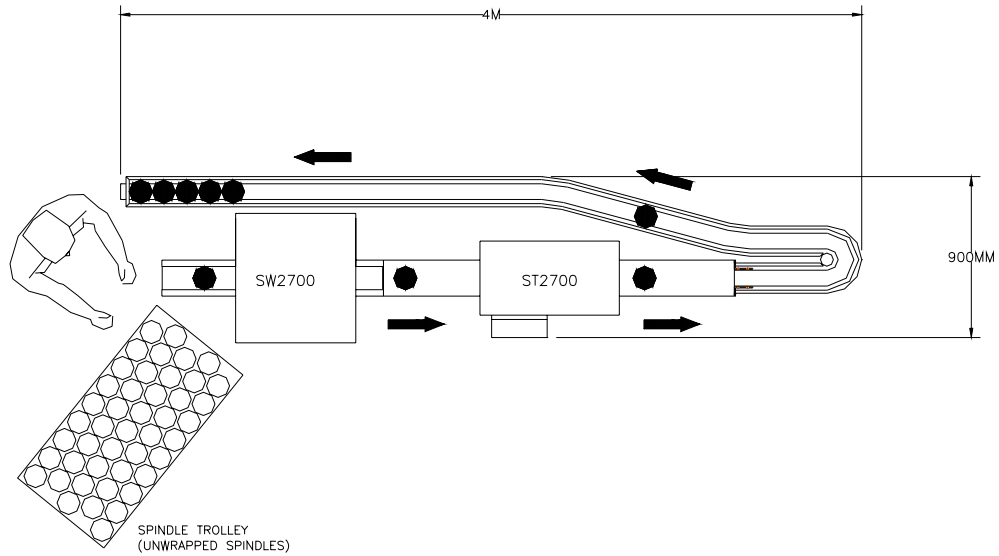
The SW-2700 Spindle Shrink Wrap Material Applicator is an integral part of the Bronway Bulk Packaging Cell.

The Bronway Bulk Packaging Cell is an integrated cell designed for bulk packaging of CDs on a spindle. The cell brings together Bronway's **SW-2700** Spindle Shrink Wrap Material Applicator, **ST-2700** Spindle Shrink Tunnel and **SF-2700** Spindle Finishing conveyor (see figure below).

The rationale behind the cell is to increase efficiency at the bulk packaging stage of the manufacturing process. This is achieved by automating the process of pulling shrink material onto the spindle, which is then fed directly into the spindle shrink tunnel and onto a finishing conveyor where the spindles can be accumulated.

This process means that the one operator can use a Bronway spindle counter to verify the number of CDs on a spindle, load the cell and unload the finish product. The cycle time of the system is such that the one operator could easily bulk pack 600 spindles per hour.





All dimensions are in mm.

For further information, please contact:

Bronway Ltd.

Bray Business Park,
Southern Cross Route,
Bray,
Co. Wicklow,
Ireland

Tel.: +353-1-2800200
Fax: +353-1-2845835

E-mail: info@bronway.com

Bronway USA

20 Spruce Lane
Gorham
ME 04038
USA

Tel: +1 207 838 0809
Fax: +1 207 839 8405

Web: <http://www.bronway.com>