



ROLL CONTAINER

**FILLING SYSTEM FOR SINGLE CARTONS,
BUNDLES AND TRAYS**

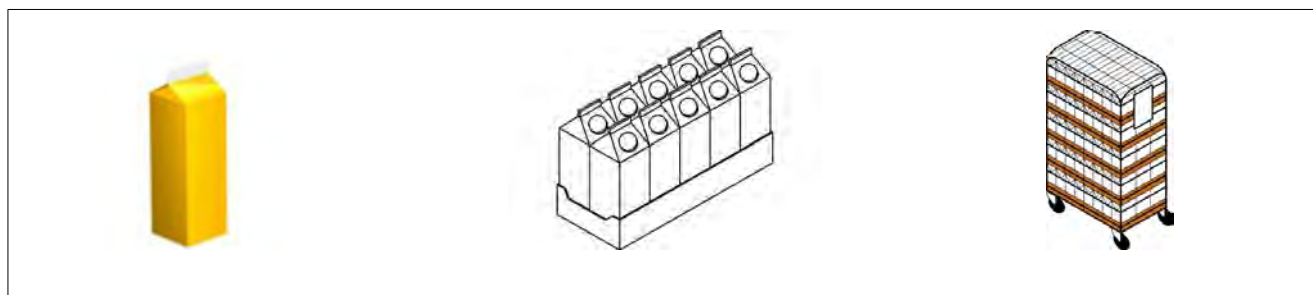


Machine description

Automatic machine specifically designed to fill “roll-container” trollies with cartons package such as Tetra Pak, Gable-Top and similar products, or bottle into various formats. The trolley meets with transport and distribution needs and provides a convenient unit for sales and promotional activities.

For distributing large volumes of chilled products, a Roll Container Packer represent the most practical, hygienic option.

Roll container loaders are mostly used for high-volume/quick turnover products, such as fresh milk.



Format example

Package type	Gable Top/Brick
Type of outer	Single - Tray - Bundle
Output	From 6.000 to 14.000 cartons/h + 20%



Working cycle

The machine can work with individual products or with bundles of heat-shrunk products. When the products reach the inside of the machine, the following operations will be carried out:

1. Counting to create a row
2. Rows are pushed onto the pre-formation area
3. Pushing operations necessary to determinate the completion of one layer which is then transferred to the gate area
4. While formation is being performed, the gate area moves forward and positions itself inside the roll-container
5. The complete formation is pushed inside the roll-container
6. The gate goes back and this caused the layer to be deposited on the roll-container
7. After that, both the gate and the pusher move back
8. The lifting device brings the roll-container in the following loading position
9. More deposit cycle will follow until the roll-container fills up
10. At this point, the product roll-container must be unloaded and the empty one will have to be repositioned in the loading position



Technical characteristics

The products pre-collating station is specifically designed for the type of product to be packed assuring a high production speed with the maximum care and attention paid to the product handling at all times. The station prepare format of cartons and the layer is loading by flat with shifting device.

This automatic product feeding system into the roll-container has been developed for rapid format changeovers whilst operating with high speed production lines.

The machine is complete of device to raise the back protective grid to protect the product during the trolley exit. Some options are tailored specifically to customer demands.



Main features

- Ergonomic design which offers the maximum visibility of the working process and easy operator access
- Centralised lubricating system
- Electrical board
- Touch-Screen operator panel
- Mainly built in stainless steel and designed for easy cleaning

Machine layout

