



Manual order picking station

With banding machine and RFID tracking

ErmaFlex

Description of the technological support

The **manual order picking station** is integrated into the **packaging area** of an automated production unit. It enables different sizes of trays and cartons corresponding to customer orders to be packed on a pallet. This workstation supports the activities of **order preparation**, shipping unit **traceability**, **manual palletisation** and stretch wrapping.

The station consists of an RFID writing unit, a manual wrapping machine and a set of accessories and consumables for immediate use with the ERMAFLEX line.

The characteristics of the RFID read/write unit are :

- ✓ Read / Write: by sending a command to the serial port,
- ✓ Reading distance: 70 mm,
- ✓ Operating frequency: 13.56 MHz,
- ✓ Protocols: ISO15693 & ISO14443A & ISO14443B,
- ✓ Usable data: packaging date, use-by date, product type, quantity, order number, batches, weight,
- ✓ Data processing software.

The features of the manual banding machine are :

- ✓ Manual adjustment of the film tension,
- ✓ Film tension release device,
- ✓ Lifting the film reel by handwheel,
- ✓ Mounted on a trolley with castors and brake.

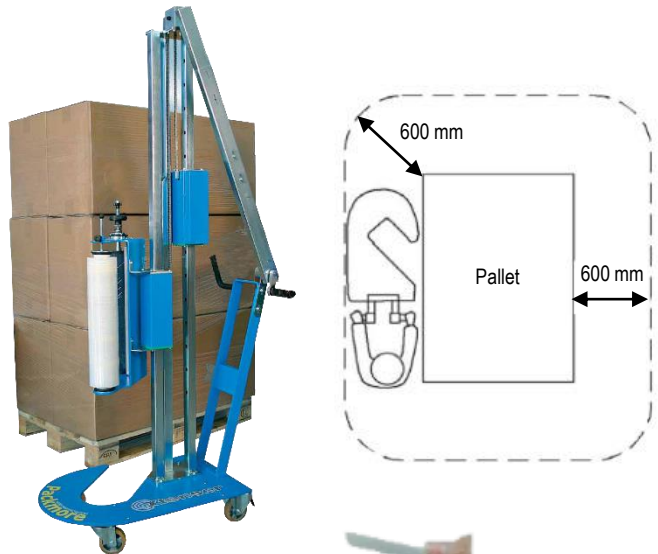
This product is accompanied by a technical and educational file in digital format including

- ✓ HTML site with activities and resources
- ✓ Manufacturer's documentation of components

CAP CIP - Bac PRO PLP
Bac Pro MSPC

Themes addressed

Production Control
Traceability
Industrial Maintenance



Highlights

- Real-life situation of preparation and palletisation of customer orders according to different production scenarios.
- Easy implementation of RFID traceability.
- This workstation can be coupled with the Ermaflex 6-axis Robot Cell (RO10) and/or the Case Packer (EB30) and/or the Regrouping Case Packer (ER50).



Educational activities

The educational activities proposed for the CAP "Production Plant Operator" and Baccalauréat Professionnel "Production Line Operator" are :

- ✓ Prepare customer orders.
- ✓ Ensure RFID control/traceability of cartons and/or pallets
- ✓ Placing, organising boxes.
- ✓ Operate a manual stretch wrapping machine.
- ✓ Collect information for shipping and traceability.
- ✓ Prepare the customer's dispatch note and delivery note.

Some of these activities will also be offered for the Baccalaureate "Maintenance of Industrial Equipment".

Reference

PM91: Manual order picking station with RFID tracking

Technical supplies

- Manual banding machine
- Industrial tape dispenser
- 6 rolls of stretch film
- 12 pallets, 6 of which are Europe size and 6 are 1/2 Europe size
- Set of boxes, dividers and tape
- RFID shower (read, write)
- Notebook computer
- RFID tags for cartons / trays and pallets
- Operating software