

# Dry Ice Production / Wrapping

## Automatic Wrapping Machine APM50

part no. 4045176



This automatic wrapping machine is specially designed for the use with dry ice slices and / or blocks. All parts in contact with the product are made of stainless steel. Automatic pitch change on conveyor and all motors are torque controlled. The temperature for welding is shown on the display and is electronically controlled. The control panel consists of various instruments and visual alarms and is equipped with a self-diagnostic device.

### Specifications

Dimensions (L x W x H):	4'240 × 900 × 1'800 mm (166.93 x 35.43 x 70.87 in)
Performance:	3 - 15 packs/minute
Wrapping material:	Polypropylene MD447/40 (standard),
Product size:	up to 210 mm × 125 mm (8.27 x 4.9 in) and 20-22 mm (0.79 - 0.87 in) thickness (has to be specified at time of order)
Version:	standard is right-hand (looking at the machine frontally the products enter from right and the packs go away from left)
Air supply:	6 bar (87 psi)
Air consumption:	20 litres/minutes of filtered & dry compressed air
Film reel:	max. width 520 mm (20.47 in) reel outside diameter 350 mm (13.78 in) reel inside diameter 70-76 mm (2.76 - 2.99 in)
Voltage:	400 V / 50 Hz / 3 Ph
Max. power consumption:	6 kW
Auxiliary circuits:	24 VDC
Net weight:	approx. 780 kg (1'719.61 lbs)

## Special features of Automatic Wrapping Machine APM50:

The machine is supplied as follows:

- **Main frame manufactured in anticorrosive steel plates painted RAL 9007**
- **With stainless steel side covers (AISI304)**
- **Adjustable feet for level regulation**
- **Infeed conveyor** - stainless steel surface with longitudinal profiles (AISI 304), metallic pushers and area for control.
- **Unwinding group** - single reel-holder, rack type wrapping material feed-roll unit with lever brake and perforator by pills with possibility to connect/disconnect.
- **N. 1 fixed forming box**
- **Longitudinal sealing group** - made by 3 sets of rolls, diameter 100 mm (3.94 in): first cold for film traction; second warm for sealing, automatic opening at machine, stop and self-closing at machine re-start; 3rd cold for film traction and longitudinal fin folding. At machine stop activation of a blow of fresh-air to cool the surface. Removable stainless steel surface for easy servicing/cleaning.
- **Transversal sealing group** - rotary sealing unit with inclined knife complete of: super-rapid steel blades and jaws heating-up by means of resistances, cover safety protection for the whole group and motorised brush at crimpers exit.
- **Out-feed belt** - drive by longitudinal sealing group.
- **Safety devices** - timed machine stop with open jaws, low voltage control push-button panel and protections and safety devices in accordance to laws in force (CE).
- **Control panel** - complete with display for vision/setting of pack length and packaging speed, safety lights indicators, switches for emergency, start/stop, intermittent motion and electronic thermostats for sealing temperatures setting.

## Standardly included in the delivery of Automatic Wrapping Machine APM50:

### Automatic Wrapping Machine APM50

Automatic wrapping machine type APM50 for wrapping of dry ice blocks with size up to 210 mm x 125 mm (8.27 x 4.92 in) and 20 - 22 mm (0.79 - 0.87 in) thickness (has to be specified at time of order).

Included equipment see above.

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## Options for Automatic Wrapping Machine APM50:

Pos. 001

### Rotary table for Wrapping machine

Low quantity buffering device complete with:

- Metallic support with three legs
- Rotating table
- Motor

part no. 4045179

