



Packaging Machinery & Systems  
made for you



Automatic Rotary Arm  
Pallet Wrapper

**ARM2500**

## STANDARD MACHINE TECHNICAL CHARACTERISTICS

- Rotary arm with anti-obstacle photocell
- Powered film carriage in the rotary arm with frequency inverter.
- Automatic wrapping cycle
- 3 automatic wrapping cycles: simple / double/ complete.
- Useful wrapping height up to 2.000 mm. (Optional other heights)
- Soft start and indexed stop with **SCHNEIDER** speed inverter.
- Powered pre-stretch carriage 300% with anti-entanglement and roping system.
- Automatic load height detection by photocell.
- Production:  $\pm 20$  pallets/hour (variable depending on the characteristics of the load, number of wraps, etc.)
- 3ALL feature: clamping, cutting and dolly heat sealing.
- Wrapping cycles counter.
- Top and bottom reinforcement wraps independently adjustable.
- Controlled by **SIEMENS** PLC with LCD touch screen.

## Options

- Central powered roller conveyor (optional)
- 1.800 mm high safety fences with access doors and photocells for anti-intrusion for the infeed and outfeed of the load with muting alarms (optional)
- Pallets lift table to wrap the load and the pallet (optional)

## Motorized pre-stretch carriage

Powered pre-stretch carriage 300% with anti-entanglement and roping system (Optional: 150%, 200%, 400% pre-stretch)

Motorized pre-stretch 300% with roping system and electronic regulation (optional)

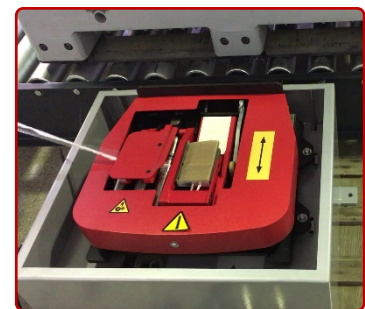


**Roping system:** this feature provides a rope which can be programmed at different heights of the load to reinforce and stabilize the pallet. Recommended for unstable loads or loads in layers.

## 3ALL system

Thanks to this system, the 3 independent external mechanical elements are replaced and integrated in just one single unit, which performs the same 3 functions: clamping, cutting and dolly heat sealing.

Also, a rope in the film is made in the final stage, which allows the heat sealing of any kind of film (stretchable, microperforated, etc.) and with any thickness, thus avoiding the loose tail of film which appears without this system. This system also avoids its mechanical maintenance, as it does not have any obstacles.



## No minimum wrapping height required

Thanks to the combination of the different features in the 3ALL system, there is no minimum load height required to wrap the complete pallet down to the bottom deck board.



### Lift table (Optional)

In order to wrap the load along with the pallet, the option of the lift table is recommended in order to raise the pallet completely.

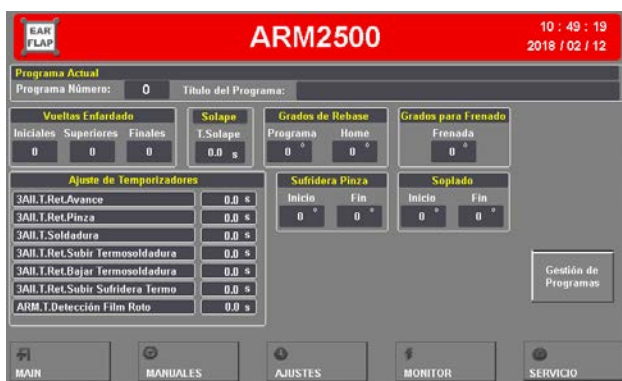
It is located under the central powered rollers conveyor. A fixed structure to the lift table goes in between the rollers to raise the load.



### Control panel and electrical enclosure

#### Touch control screen

The wrapper has a user-friendly and intuitive touch control screen which facilitates the operations and settings of the machine. All possible parameters are programmed, as well as the movements and interconnections. Different user profiles can be set through password access.



#### Electronic control

The wrapper is controlled by a **Siemens PLC** which is integrated in an electrical board, which makes its future maintenance and spare parts replacement much easier and cost-saving, in comparison with different electronical boards offered by other manufacturers.

#### Electrical enclosure

It is coupled to the wrapper column to centralize inside all the interconnections and to ease its transportation.

The cabinet, besides the own connections of the machine, has enough space for additional interconnections, such as for conveyors, palletizers, etc.

Example of automatic pallet wrapping line with model ARM2500



<b>Stretchable film specifications</b>	
External Ø:	240 ± 250 mm
Inside Ø:	76 mm
Reel height:	500 mm
Thickness:	17 – 50 µ
Max. weight:	20 kg
<b>Características eléctricas</b>	
Electrical power:	400 V III + N + T 50 Hz
Installed power:	2 Kw
Electrical protection:	IP 54
Wiring protection:	Hose and/or tray
Compliant with	EN 60 204-1, EN 60 617
<b>Pneumatic features</b>	
Compressed air infeed:	6 bar
Compressed air consumption:	10 l / cycle + 60 l/blown sec.
<b>Other characteristics</b>	
Noise level:	70 dB (A)
<b>Standard main components</b>	
HMI:	LCD touch screen
PLC:	SIEMENS
Pneumatic component:	SMC o AIRTAC
Frequency inverters:	SCHNEIDER
Other elements or brands on request (it can add an extra cost)	
<b>Colors</b>	
RAL fixed parts:	7016 (Dark Grey)
RAL moving parts:	3020 (Red)
RAL protections:	Fence: 9011 (Black), Posts: 1018 (Yellow)
Other colors on request (it can add an extra cost)	

<b>Technical features</b>	<b>Standard</b>
Maximum height	2.000 mm (consult for other heights)
Pallet maximum dimensions	hasta 1.200 x 1.000 mm (consult for other dimensions)
Film carriage	Pre-stretch 300% with rope system
Soft start/stop with frequency inverter	Standard
Load height detection by photocell	Standard (consult other options)

### Layout of the standard machine

