



Packaging Machinery & Systems  
made for you



## AUTOMATIC ROTARY RING WRAPPER **RRM4500**

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## STANDARD MACHINE TECHNICAL CHARACTERISTICS

- Powered pre-stretch carriage 300% with electronic setting.
- Load height detection by photocell (Optional: detection by ultrasounds for black loads)
- Soft start with indexed stop and **SCHNEIDER** speed inverter
- 3ALL feature: clamping, cutting and dolly heat sealing
- Wrapping cycles counter
- Independently adjustable top & bottom reinforcement wraps
- Light and sound indicators for functioning signals and alarms
- Controlled by **PLC SIEMENS**
- Panel control with touch screen
- Output: **up to ± 60 pallets/hour** (variable depending on the characteristics of the load, number of wraps, etc.)
- 10 customizable programs: starting, upper and final wraps, overlapping lapse, roping, etc.

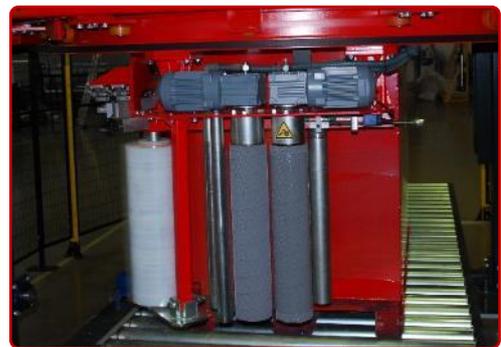
## Options

- Roping system to reinforce the load with independently adjustable (optional)
- Main powered rollers conveyor (Optional)
- 1.800 mm height safety fences with access door and anti-intrusion photocells for load infeed and outfeed with muttings. (Optional)
- Pallets lift table to wrap the load with the pallet (optional)

## Powered pre-stretch carriage

It includes a pre-stretch carriage which can be adjusted electronically.

**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. (optional)



## 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, it is recommended to include the lift table to completely elevate the pallet.

Placed under the main powered rollers conveyor, a structure fixed to the lift table moves through the rollers to lift the pallet.



### 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



### OPTIONS AND ACCESSORIES



#### Powered top platen

It holds the load at the top of the pallet without deforming it while the pallet is being wrapped avoiding the risk of the product collapse.

### Top Cover Dispenser TDM1800 (Optional)

Accessory which allows to dispense a cover of film to do a complete wrapping. Depending on the position and the functioning cycle of the machine, the wrapping will provide a dust or rain protection.



### Special environments (explosive environments, corrosion, sub-zero, ...)

We have experience and we can provide proven solutions for explosive environments (ATEX), corrosive environments (Stainless Steel) or sub-zero temperatures (down to -30 °C).

<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>Electric features</b>	
Electrical power:	400 V III + N + TT 50 Hz
Installed power:	12 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:	70 NI/Min.
<b>Other characteristics</b>	
Noise level:	70 dB (A)
<b>Standard main components</b>	
HMI:	LCD touch screen
PLC:	SIEMENS
Pneumatic component:	SMC
Frequency inverters:	SCHNEIDER
Motors and gearmotors:	TRANSTECNO or similar
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	2.200 mm (other options available)
Maximum pallet dimensions	Up to 1.200 x 1.000 mm (other dimensions available)
Film carriage	Pre-stretch 300% with electronic setting
Soft start/stop with frequency inverter	Standard
Load height detection by photocell	Standard (other options available)

### Layout of the standard machine

