

# IHRESS

PREMIUM PACKAGING MACHINERY



## iARM3500

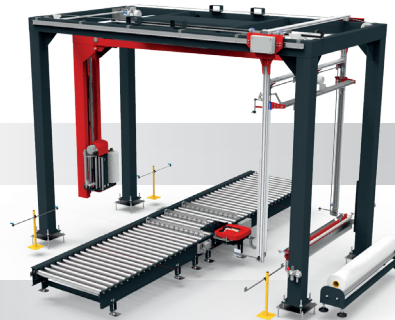
*Automatic rotary arm pallet wrapper*



Pol. Ind. La Serra  
C. Camí de la caseta, 3-A | 08185 Lliçà de Vall (BARCELONA)  
+34 936 555 600 | [ihress.com](http://ihress.com) | [info@ihress.com](mailto:info@ihress.com)

**STANDARD MACHINE TECHNICAL CHARACTERISTICS**

- Powered pre-stretch carriage 300% with anti-entanglement and roping system.
- Load height detection by photocell  
(Optional: detection by ultrasounds for black loads).
- Rotary arm transmission by sprocket.
- Reel carriage transmission by ½ chain.
- Soft start and indexed stop with SCHNEIDER speed inverter.
- 3ALL feature: clamping, cutting and dolly heat sealing.
- Wrapping cycles counter.
- Independently adjustable top & bottom reinforcement wraps.
- Independently adjustable roping system to reinforce the load.
- Light and sound indicators for functioning signals and alarms.
- Controlled by PLC SIEMENS.
- Panel control with touch screen.
- Production: ± 50 pallets/hour  
(variable depending on the characteristics of the load, number of wraps, etc.)
- 10 customizable programs by the user: starting, upper and final wraps, overlapping lapse, roping, etc.



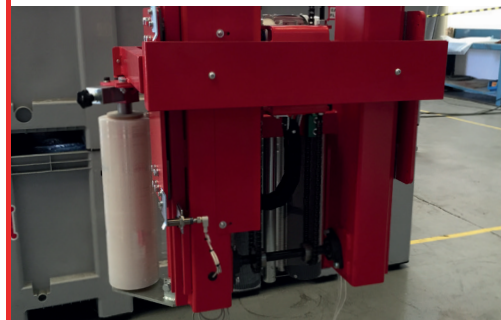
iARM3500 + iTDM1800

**FEATURES**

Carriage



PEM Carriage



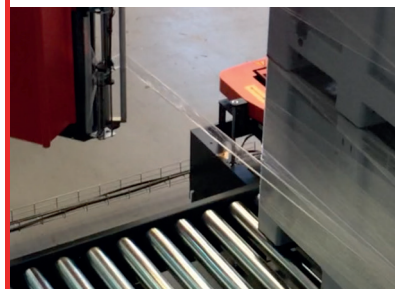
Powered pre-stretch carriage 300% with anti-entanglement and roping system (Optional: 150%, 200%, 400% pre-stretch)  
Motorized pre-stretch 300% with roping system and electronic regulation (optional)

Electrical cabinet



With touch screen for programme settings

Rope system



Strengthens and stabilises the load.

Technical features	Standard
Maximum height	2.400 mm (other heights on request)
Pallet maximum dimensions	hasta 1.200 x 1.000 mm (other dimensions on request)
Film carriage	300% pre-stretch with rope system
Soft start and soft stop with frequency inverter	Standard
Load heights detection with photocell	Standard (Other options on request)

### **SPECIAL 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)

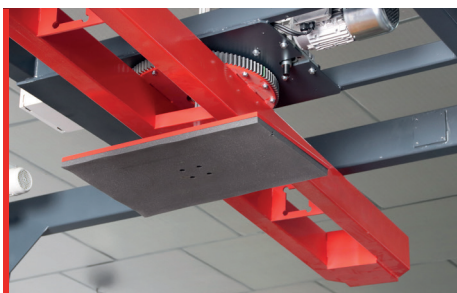
### **No minimum wrapping height required**

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.



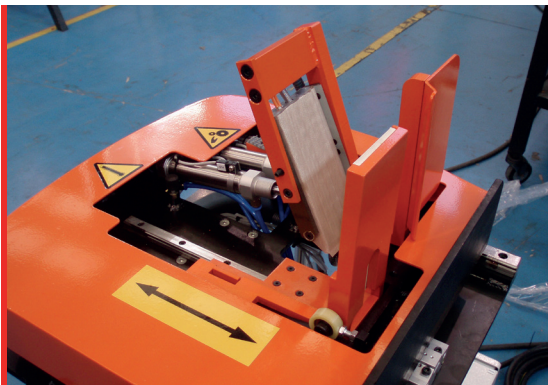
### **Powered top platen**

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.



### 3ALL system

Through this system, three independent external mechanical elements are eliminated and integrated into a single head, performing three functions: clamping, cutting, and heat sealing with a pressure pad. Additionally, it creates a bead on the film in the final process, thus allowing the sealing of any type of film (stretch, macro-perforated, etc.) and thickness, to any type of load, avoiding initial and final film tails. This system also eliminates mechanical maintenance, as it is free of obstructions.



By combining different features of the mechanical design of the elements with the 3ALL system, there is no minimum height of product on the pallet so that the load can be wrapped to the bottom of the pallet (bottom slat).

### Special environments (explosive, corrosive, sub-zero atmospheres, ...)

We have solutions with proven experience in explosive atmospheres (ATEX), corrosive environments (INOX) or temperatures below 0° C (down to -30 °C).

### Top cover dispenser iTDM1800 (Optional)

Accessory that allows a layer of film to be dispensed on top of the pallet for complete stretch wrapping. Depending on its location and the machine's operating cycle, the wrapping can provide dust or rain protection.



**STANDARD MACHINE LAYOUT**

