

## Automatic Orbital Wrap Machine - *horizontal packaging with stretch film*

HANDLE-IT® - OWM Series

Model

# OWM-FA-90

**3 YEAR  
WARRANTY**

### Applications:

Packaging, grouping and protection with stretch film products like mouldings, flooring, profiles, aluminium bars, blinds, etc.

### Working Process:

Product moves automatically into the ring of the wrapping machine through in-feed, driven conveyor; the electrical photocell detects the product and engages the machine to wrap the product with stretch film. Finally, an out-feed, driven conveyor belt pushes out the fully wrapped product.

### Standard Equipment:

- Steel frame, painted in grey with blue accent color.
- Ring assembled in the frame, painted in safety yellow color.
- Double reel dispenser head; enables wrapping with two reels of stretch film for reinforced and faster packaging, or wrap with one reel for a simple wrap; ready to use reels of different width.
- Fast changing reels without tools and with self-fixing system & automatic stretch film threading.
- Double automatic film clamp and cutter system for two reels; cuts even with zero tension & has a blade protector for user safety.
- Adjustable stretch film tension to fit it to the product.
- Device that disables the machine while changing the reel for worker safety.
- Ring speed controller to adjust working speed or stretchfilm overlap onto the product.
- Ring driver system through trapezoidal belt with low maintenance and wear.
- Adjustable extra wrapping laps in both ends of the product for a higher protection.
- Interactive color touch screen, integrated in the front of the machine to program & adapt the wrapping machine to the needs of the product to be wrapped:
  - Wrapping programs (9):
    - 1 thru 4 - Complete wrapping (from one product end to the other), 5-Only ends, 6-Banding, 7-Complete with intermediate banding, 8-Semi-automatic and 9-Only conveyors.
  - Display of messages, explanatory gif videos, change of reel, regulation of extra laps at product ends, on/off top presses (optional), up & down top presses regulation time (optional), distance between bandings, preventive maintenance warning.
  - Option to eliminate film tails in the product start.
  - Screen lock with password to avoid inappropriate manipulations of the chosen parameters.
- Electrical photocell to start wrapping cycle.
- Integrated electrical cabinet, illuminated with LED, to facilitate operations; incorporates master switch.
- LED warning light to inform status of orbital wrapper (operative, working or emergency).
- Machine certificate meeting CE safety standards (2006/42/CE 2014/30/UE 2014/35/CE-BT).



FA-90 with driven conveyors (optional)  
Top & lateral presses (optional)

### Customize your machine:

- Infeed & outfeed top pressers - manual fitting or automatic fitting (includes electrical photocell to detect product outfeed).
- Rollers side guide - manual fitting.
- Driven conveyor with a belt, metal rollers, or chain - W800 x L1000mm (other dimensions also available).
- Driven conveyor belt with pneumatic lift to place corners W1000 x L2500mm.
- Driven conveyor metal rollers "V" shape W1200 x L4000mm.
- Gravity rollers conveyor + tilter system to place product from vertical to horizontal W1200mm x L1500mm.
- Table with 4 driven rollers in cross, with pneumatic lift, to wrap round products.
- Table with 2 driven in parallel to wrap round products.
- Hydraulic lift table to centre the machine ring vs conveyors.
- Short products bridge <600 mm.
- Driven conveyor belts (bridge) W1150 x L600mm for short products <600 mm.
- Wooden/porex blocks automatic dispenser (not included driven conveyor for short products W1150 x L600mm).
- Warning of film reel end.
- Warning of film breakage.
- Safety fences + safety kit.
- Manual bubblewrap top dispenser (integrated on machine) for reel up to 1200mm.
- Manual bubblewrap floor dispenser for reel up to 1200mm.
- Double automatic dispenser for bubble plastic · foam · polyethylene. conveyor for short products W1150 x L600mm).
- Safety fences + safety kit.
- Manual bubblewrap top dispenser (integrated on machine) for reel up to 1200mm.
- Manual bubblewrap floor dispenser for reel up to 1200mm.
- Double automatic dispenser for bubble plastic · foam · polyethylene.

**ORBITAL WRAPPING MACHINE - OWM-SA-90**

Semi-automatic machine for horizontal packing with stretch film

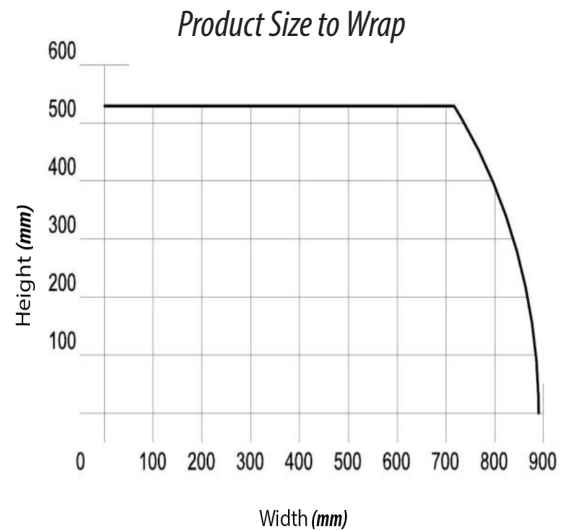
**Technical Specifications:**

<b>Sizes of Product to Wrap:</b>	
•Maximum Length -	no limit
•Minimum Length -	500mm
•Width & height -	Refer to chart below - minimum (200 x 200 x 500mm L)

<b>Recommended driven conveyor specifications:</b>	
•Useful Width -	600mm
•Length -	1,000mm
•Working Height -	adjustable
•Engine -	0.37 KW
•Lineal Speed -	From 13ft/min. -up to- 49ft/min.
•Max. Weight to Convey -	165lbs/linear yard

<b>Electrical Equipment:</b>	
Power	110V single phase
Engine	1.5 KW
Manuever	24V DC
Electrical Consumption	0.97 KW
Ring Rotation Speed	5 to 100 RPM
Speed Inverter	Omron
PLC	Omron
Pneumatic Pressure	6 bars (88 psi)
Compressed Air Consumption	3.5gal/cycle
Touch Screen	7 inches



<b>Stretch Film or Paper* Reel Specifications</b>	
Width	4" or 6" (100 or 166mm)
Thickness	17, 23, or 30 microns
External / Internal $\varnothing$	7 3/4" (200mm) / 1.5" (38mm)
Color	Transparent / Opaque

