

Applications:

Packaging, grouping and protection with stretch film products like furniture, doors, panels, wooden boards, cabinets, windows and bulky products.

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.
- Covered ring wrapping mechanism for added safety, painted safety yellow.
- 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 stretch film overlap onto the product.
- Ring driver system through trapezoidal belt with low maintenance and wear.
- Adjustable extra wrapping laps on both ends of the product for greater protection.
- Interactive color touch screen enables programming the unit to the needs of the product:
 - 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-160 with driven conveyors (optional) & top presses (optional).

Customize your machine:

- Infeed & outfeed top presses - 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 - W1400 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 3 driven rollers in triangle, with pneumatic lift, to wrap round products.
- Table with 2 driven rollers, in parallel, to wrap round products.
- Hydraulic lift table to center the machine ring with the conveyors.
- Short products bridge <600 mm.
- Driven conveyor belts (bridge) W1150 x L600mm for short products.
- Wooden/porex blocks automatic dispenser (includes 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 1600mm.
- Manual bubblewrap floor dispenser for reel up to 1600mm.
- Double automatic dispenser for bubble plastic · foam · polyethylene.

Driven Short-Products Bridge



ORBITAL WRAPPING MACHINE - OWM-FA-160
 Automatic machine for horizontal packaging with stretch film

Technical Specifications:

Sizes of Product to Wrap:	
•Maximum Length -	no limit
•Minimum Length -	400mm with driven bridge
•Width & height -	360 x 360 x 600mm L

Recommended driven conveyor specifications:	
•Useful Width -	1,000mm
•Length -	1,000mm
•Working Height -	adjustable
•Engine -	0.37 KW
•Lineal Speed -	From 10ft/min. -up to- 50ft/min.
•Max. Weight to Convey -	165lbs/linear yard

Electrical Equipment:

Power	230v or 480v 3ph 60 hz
Engine	3 KW
Manuever	24V DC
Electrical Consumption	1.63 KW
Ring Rotation Speed	5 to 80 RPM
Speed Inverter	Omron
PLC	Omron
Pneumatic Pressure	6 bars (88 psi)
Compressed Air Consumption	12gal/cycle
Touch Screen	7 inches

Stretch Film or Paper* Reel Specifications

Width	4" or 6" or 10" (100 or 166 or 250mm)
Thickness	23, 30, 35 or 50 microns
External / Internal ø	9" (230mm) / 1.5" (38mm)
Color	Transparent / Opaque

