

**AUTOMATIC ORBITAL WRAPPING MACHINE FV350/160****Automatic machine for horizontal packaging with stretchfilm.****Applications:**

Packaging, grouping and protection with stretchfilm products like furniture, doors, timber boards, windows, frames, etc.

**Working process:**

Product arrives automatically until the ring of the wrapping machine through an infeed driven conveyor; the electrical photocell detects the product and the machine wraps it with stretchfilm. Finally, an outfeed driven conveyor belt push out the product fully wrapped.

**Standard equipment:**

- Steel frame, painted in grey and base in blue colour
- Ring assembled in the frame, painted in yellow colour.
- Double reel dispenser head; allows to wrap with two reels of stretchfilm for a reinforced wrapping and faster packaging or to wrap with one reel for a simple wrapping; ready to use reels of different width.
- Adjustable stretchfilm tension to fit it to the product.
- Fast changing reels without tools and with self-fixing system.
- Double automatic stretchfilm clamp and cutter system for two reels.
- Automatic stretchfilm threading for reel changing.
- Stopping system to place the reel dispenser head in the exact position for reel changing.
- Adjustable extra wrapping laps in both ends of the product for a higher protection.
- Ring speed controller (driver included) to adjust the stretchfilm overlap onto the product.
- Touch colour screen to program and adjust the machine to the specifications of the product to be wrapped with: Extra wrapping laps in the ends of the product, stretchfilm threading, 6 wrapping programs, warning messages, reels change, only ends wrapping, 6 languages programs, presses on/off, infeed top press up time control, outfeed top press down time control and conveyors stopping time.
- Wrapping programs (6): standard program (wrapping from end to end of the product), bundling program (to wrap product ends only) and four programs else to be issued by the user.
- Backwards conveyors selector and selector product goes through the ring but without wrapping; this option is used in machines which are set up in automatic lines where some products do not need to be wrapped.
- Variable driven conveyors speed to control the wrapping speed or to adjust stretchfilm overlap onto the product.
- Electrical photocell to start the wrapping cycle.
- Device that unable the machine to work while changing the reel for worker safety.
- Ring driver system through trapezoidal belt of low maintenance and wear.
- Control panel and electrical box with: Master switch, power light, warning light, start button, reset button ring speed control, conveyors speed control, emergency stop and touch screen.
- Tower lights to inform status of orbital wrapper.
- Steel packaging around the frame base for transport.
- Machine certificate meeting CE safety standards (2006/42/CE, 2004/42/CE & 93/68/CEE).



**Optional Accessories:**

- Infeed & outfeed top pressers - manual fitting.
- Infeed & outfeed top pressers - automatic fitting.
- Rollers side guide - manual fitting.
- Driven conveyor belt W39 x L39 in. (other dimensions also available).
- Driven conveyor metal rollers W39 x L39 in. (other dimensions also available).
- Driven conveyor chain W39 x L39 in. (other dimensions also available).
- Driven conveyor belt with pneumatic lift to place corners W39 x L98 in.
- Driven conveyor metal rollers "V" shape W47 x L157.5 in.
- Gravity rollers conveyor + tilter system to place product from vertical to horizontal W47 x L59 in.
- Table with driven rollers (3) in triangle with pneumatic lift to wrap round products.
- Table with driven (2) in parallel to wrap round products.
- Hydraulic lift table to centre conveyor belt/rollers vs. ring.
- Short products bridge < 23.5 in.
- Driven conveyor belts (bridge) for short products W45 x L23.5 in.
- Wooden/porex blocks automatic dispenser (includes driven conveyor for short products W45 x L23.5 in).
- Warning of reel end.
- Safety fences + safety kit.
- Remote technical assistance (via Ethernet).
- No standard machine colour.
- Seafreight wooden crate.
- Seafreight wooden box.
- Manual bubblewrap top dispenser (integrated on machine) for reel up to 63 in.
- Manual bubblewrap floor dispenser for reel up to 63 in.
- Automatic top & bottom bubblewrap reel dispenser up to W63 in.

**Includes:**

- ✓ Welding bar by electrical resistances to join the ends of the top and bottom bubblewrap reels.
- ✓ Welding temperature control to adjust the temperature depending on the bubblewrap thickness.
- ✓ Top and bottom bubblewrap reel dispenser; top reel to cover top side product length and bottom reel to cover bottom side product length.
- ✓ Electrical photocell to start automatically the wrapping cycle.
- ✓ Driven feeding of top and bottom bubblewrap reels, to avoid product pulls directly from them.
- ✓ Selector to cancel the automatic dispenser and to allow machine wrapping with stretchfilm only.
- ✓ Tower lights to inform status of dispenser.



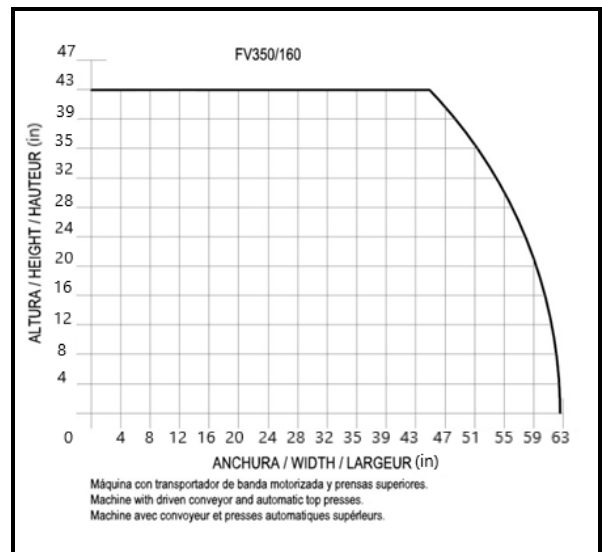
\* Mod. with conveyor belts (optional)  
automatic top presses (optional)  
and automatic bubble wrap dispenser (optional).

**Technical specifications:**

Product to wrap sizes:	
• Maximum / minimum length	: Unlimited / 23.5 in. (15.7 in. with bridge).
• Other sizes	: Check with graphic.
• Minimum sizes	: 14 x 14 x 23.5 in.(L)

Recommended conveyor belt specifications:	
• Useful width	: 39 in.
• Length	: 39 in.
• Working height	: Adjustable.
• Engine	: 0.496 hp.*
• Lineal speed	: From 10 fpm up to 40 fpm.
• Max. weight to convey	: 165 lb / lineal meter.
(*) Speed inverter for inner driven conveyor 1 hp. and exit driven conveyor 1 hp.	

Electrical equipment:	
• Engine	: 4 hp.
• Power supply	: 480V III+N.
• Manoeuvre	: 24V c.c.
• Power consumption	: 2.19 hp.
• Ring rotation speed	: From 5 to 60 rpm.
• Speed inverters	: Fuji.
• Programmable PLC	: Omron.
• Pneumatic pressure	: 6 bars.
• Compressed air consumption	: 5.48 psi/cycle.



Stretchfilm reel specifications:	
• Width	: 10, 6.5 or 4 in.
• Thickness	: 90,120,140 or 200 gauge.
• External / internal Ø	: 9 / 1.5 in.
• Colours	: Transparent / opaque.

Installed machine sizes	: Check attached drawing.
Packed machine sizes	: 8.9 x 5 x 7.4 ft. – 2315 lb.
Packed film reels sizes	: 3.3 x 3.9 x 6 ft. – 1726 lb.

**Technical specifications with automatic bubble wrap / polyethylene dispenser (optional)**

Electrical equipment:	
• Engine	: 5.42 hp.
• Power consumption	: 2.48 hp.

Welding bar:	
• Width	: 63 in.
• Electrical resistances	: 10 units.

Bubble wrap / Polyethylene reel specifications:	
• Type	: Triple layer reel
• Width	: 63 in. / 63 in.
• Length	: 492 ft. / 1312 ft.
• Ø external	: 31.5 in. / 12 in.

Installed machine sizes	: Check attached drawing.
Packed machine sizes	: 8.9 x 5 x 7.4 ft. – 2315 lb / 7.5 x 6.25 x 8 ft. – 1984 lb.
Packed film reels sizes	: 3.3 x 4 x 6 ft. – 1726 lb.