

AUTOMATIC ORBITAL WRAPPING MACHINE FV350/090

Automatic machine for horizontal packaging with stretchfilm.

Applications:

Packaging, grouping and protection with stretchfilm of products like mouldings, flooring, profiles, aluminium bars tubes, blinds, 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 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.
- Fast changing reels without tools and with self-fixing system.
- Adjustable stretchfilm tension to fit it to the product.
- 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.
- Adjustable rotation ring speed to control 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 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.
- Packaging in wooden pallet 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, to hold the product.
- Infeed & outfeed top pressers, automatic fitting, to hold the product.
- Side vertical rollers, manual fitting, to guide and/or to group the product.
- Side vertical rollers, automatic fitting (pneumatic), to guide and/or to group the product
- Driven conveyor metal rollers W23.5 x L39 in. (other dimensions also available).
- Driven conveyor belt W23.5 x L39 in (other dimensions also available).
- Driven conveyor metal rollers "V" shape W23.5 x L79 in.
- Automatic system to load laterally the product to be wrapped.
- Automatic pneumatic system to remove the wrapped products laterally.
- Automatic driven system to remove the wrapped products laterally.
- Short products bridge.
- Wheels with brake.
- 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 floor dispenser for reel up to 47 in.
- Automatic top & bottom bubblewrap reel dispenser up to W47 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.



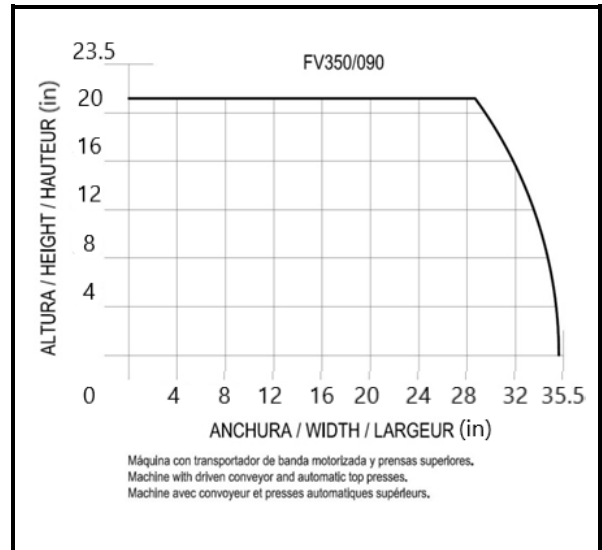
* Mod. with conveyor belts (optional)
automatic top presses (optional)
and automatic bubble wrap dispenser (optional)

Technical specifications:

Product to wrap sizes:	
• Maximum / minimum length	: Unlimited / 20 in.
• Other sizes	: Check with graphic.
• Minimum sizes	: 8 x 8 x 20 in.(L)

Recommended driven conveyor specifications:	
• Useful width	: 23.5 in.
• Length	: 39 in.
• Working height	: Adjustable.
• Engine	: 0.5 hp.
• Lineal speed	: From 13 fpm up to 50 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	: 2.01 hp.
• Power supply	: 110V I.
• Manoeuvre	: 24V c.c.
• Power consumption	: 1.3 hp.
• Ring rotation speed	: From 5 to 100 rpm.
• Speed inverters	: Fuji.
• Programmable PLC	: Omron.
• Pneumatic pressure	: 6 bars.
• Compressed air consumption	: 1.45 psi/cycle.



Stretchfilm reel specifications:	
• Width	: 4 or 6.5 in.
• Thickness	: 68, 90 or 120 gauge.
• External / internal Ø	: 7.9 / 1.5 in.
• Colours	: Transparent / opaque.

Installed machine sizes	: Check attached drawing.
Packed machine sizes	: 5 x 3.5 x 6 ft. – 408 lb.
Packed film reels sizes	: 3.3 x 4 x 6.5 ft. – 1600 lb.

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

Electrical equipment:	
• Engine	: 5.42 hp.
• Power consumption	: 2.43 hp.

Welding bar:	
• Width	: 43 in.
• Electrical resistances	: 10 units.

Bubble wrap / Polyethylene reel specifications:	
• Type	: Triple layer reel
• Width	: 39 in. / 39 in.
• Length	: 492 ft. / 1312 ft.
• Ø external	: 31.5 in. / 12 in.

Installed machine sizes	: Check attached drawing.
Packed machine sizes	: 5 x 3.5 x 6 ft. – 408 lb. / 6.25 x 4.5 x 6.25 ft. – 1654 lb.
Packed film reels sizes	: 3.3 x 4 x 6 ft. – 1726 lb.