|  |
| --- |
| **AUTOMATIC ORBITAL WRAPPING MACHINE FV350/200** |
| **Automatic machine for horizontal packaging with stretchfilm.** |
| **neleo50.jpg** |
| **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 W47 x L39 in (other dimensions also available). * Driven conveyor metal rollers W47 x L39 in (other dimensions also available). * Driven conveyor chain W47 x L39 in (other dimensions also available). * Driven conveyor belt with pneumatic lift to place corners W39 x L98.5 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 L60 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 mm. * 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. | | | | | | | |
|  | | | | | | | |
| 010 copia - copia.jpg | | |  | | | | |
|  | | | \* 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 | | | | : 15.7 x 15.7 x 23.5 in.(L) | | | |
|  | | | | | | | |
| Recommended conveyor belt specifications: | | | | | | | |
| * Useful width | | | | : 47 in. | | | |
| * Length | | | | : 39 in. | | | |
| * Working height | | | | : Adjustable. | | | |
| * Engine | | | | : 0.496 hp\*. | | | |
| * Lineal speed | | | | : From 10 fpm up to 33 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 | | : 400V III+N. | | |
| * Manoeuvre | | : 24V c.c. | | |
| * Power consumption | | : 2.23 hp. | | |
| * Ring rotation speed | | : From 5 to 55 rpm. | | |
| * Speed inverters | | : Fuji. | | |
| * Programmable PLC | | : Omron. | | |
| * Pneumatic pressure | | : 6 bars. | | |
| * Compressed air consumption | | : 45 liters/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 | | | | : 10 x 5 x 8.6 ft. – 2535 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 | | | | : 2.53 hp. | | | |
|  | | | | | | | |
| Welding bar: | | | | | | | |
| * Width | | | | : 71 in. | | | |
| * Electrical resistances | | | | : 10 units. | | | |
|  | | | | | | | |
| Bubble wrap / Polyethylene reel specifications: | | | | | | | |
| * Type | | | | : Triple layer reel | | |  |
| * Width | | | | : 71 in. | | | / 71 in. |
| * Length | | | | : 492 ft. | | | / 1312 ft. |
| * Ø external | | | | : 31.5 in. | | | / 12 in. |
|  | | | | | | | |
| Installed machine sizes | | | | : Check attached drawing. | | | |
| Packed machine sizes | | | | : 10 x 5 x 8.6 ft. – 2535 lb. / 7.5 x 6.25 x 8 ft. - 1984 lb. | | | |
| Packed film reels sizes | | | | : 3.3 x 3.9 x 6 ft. – 1726 lb. | | | |