

Open-turnstile pallet wrapping machine

TECHNICAL CHARACTERISTICS

- Open turntable for pallet jack use
- Automatic wrapping cycle controlled through photocell
- Regulation of top and bottom wraps
- Film carriage with closed chain transmission
- Mechanical clutch for film tension regulation
- Turntable speed controlled by inverter
- Film carriage moving speed controlled by inverter
- Turntable indexed stopping position (return start position)
- Safety-photocell to prevent the turntable start in presence of a pallet jack
- Machine working functions controlled through PLC

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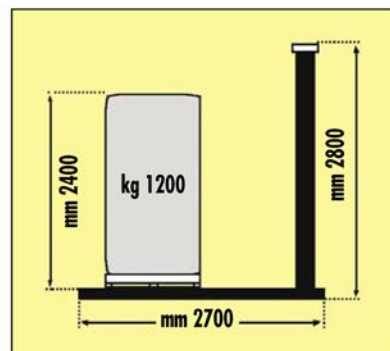
- Film carriage with 200% power pre-stretch (1 mt = 3 mt)

NEW

CARATTERISTICHE TECNICHE/ SPECIFICATIONS	ECOSPIR TS
manual working cycle	YES
automatic working cycle	YES
photocell for automatic detection of pallet height	YES
pallet jack sensing photocell	YES
bottom wraps setting	YES
top wrapping setting	YES
max. pallet height	mm 2400
turntable diameter	mm 1500
max. pallet footprint	mm 1000x1200
max. pallet weight	kg 1200
max. turntable rotating speed (adjustable)	12 giri min. / r.p.m.
turntable frame height	mm 75
max. film roll diameter	mm 300
film core-holder	mm 75 (3")
film roll height	mm 500
installed power	kW 1,5
power supply	220 V / 1 Ph
overall machine dimensions	mm 1700x2700x2800



For simplified load with jacks,
essential for electric jacks



Fully automatic pallet wrapping machine

TECHNICAL CHARACTERISTICS AND FEATURES

Pallet wrapping machine with a fully automatic wrapping process, from the film clamping up to the film cutting at the end of the cycle, with activation through a remote control that prevent the operator from descending from the fork-lift.

- Fully automatic working process activated through a remote control : automatic film clamping at the beginning and automatic film cutting/welding at the end of the cycle.
- Cross wrapping cycle (during the film carriage ascent and descent) with adjustable setting for the bottom and top reinforcing wraps.
- Low profile turntable (75 mm from the floor level, with chain transmission), 1650 mm diameter, suitable for pallets with a dimension up to 1000 mm x 1200 mm.
- Turntable (chain transmission) rotating speed up to 12 rpm, controlled by inverter, with soft start and progressive indexed arrival at the end of the cycle in the same starting position.
- Maximal loading weight up to 2000 kg.
- Automatic pallet height detection through photo-eye (black, white or reflecting loads require specific photo-eyes that can be mounted on request).
- Film carriage (chain transmission with adjustable speed, controlled by inverter) equipped with a 200% fixed power pre-stretch system (1 mt= 3 m) with an easy film loading and tension control.
- Stretch-film roll with external diameter up to 250 mm, on a 3" (76 mm) internal core, and width/height of 500 mm (thickness up to 35 my).
- Working functions controlled through by microprocessor.
- Power supply 240 V – 50 Hz – 1 Ph – 1,25 kW.
- Compressed air consumption of 10 NI/cycle at 6 bar.
- Noise level: less than 75 dB (without film).
- Suitable to operate in room conditions with temperature between +5° and +40 °C (humidity less than 95%).
- Overall machine dimensions: 2700 mm L x 1650 mm W.
- Total machine weight: 700 kg approx.




simple and intuitive
control board



automatic
cutting/welding



Built according to  rules

ECOSPIR FA

Heavy duty turntable machine with automatic stretch-wrapping cycle

TECHNICAL CHARACTERISTICS

- Completely electric working (compressed air is not required) controlled by a PLC, with touch-screen *Operator Interface*
- Exclusive cut and clamp device^{PAT.} (the wrapping cycle starts and ends at the top of the pallet)
- Selection among three (3) different types of wrapping: automatic / semi-automatic / top banding
- Photo-eye for the automatic load height detection
- Separate setting of the top and bottom wraps, from 1 to 12 revolutions; reinforce wrap control for mid-wrapping
- Variable turntable speed control (adjustable from 3 to 15 rpm), with a soft start acceleration and a final revolution deceleration with positive stop alignment
- Cycle with a pause for the application of a top sheet
- Film tension control
- Broken film/run-out of film detection with automatic machine reset
- Separate film carriage raise and lower speed controls
- Pre-stretch film carriage (max film width of 500 mm) with a 200% fixe ratio (1 mt = 3 mt), powered by a variable speed motor, with a fully electronic dynamic dancer corner compensation
- Carriage descent obstruction shut-off device for additional safety
- Side mounted film carriage for operator convenience and safety
- Emergency stop button



ECOSPIR MATIC

Machine manufactured according to **CE** rules

SPECIFICATIONS

Power supply	220 V - 1 Ph - 50/60 Hz - 20 A
Overall dimensions	2900x1800x2200 (h) mm
Machine weight	800 kgs
Turn-table diameter	1650 mm
Maximum pallet dimensions	1000x1200x2000 (h) mm
Maximum pallet weight	2200 kgs
Turn-table rotation speed (adjustable)	between 3 and 15 wraps/min.
Maximum roll width	500 mm
Output	up to 35 pallets/hour

Turntable pallet wrapping machine

MAIN CHARACTERISTICS

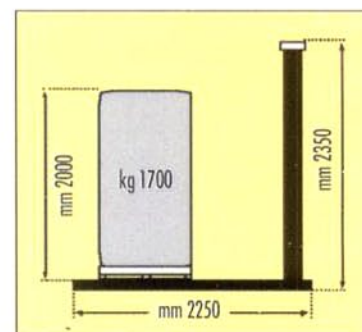
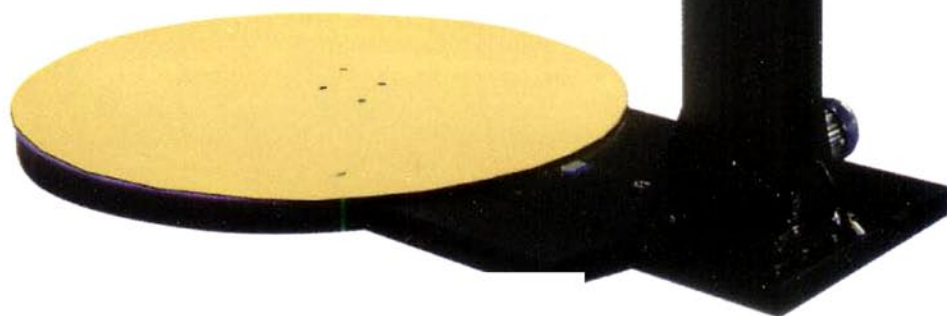
- Possibility to programme a sequence up to a maximum of 9 wrapping cycle (cross wrapping) continuously
- Possibility to programme up to a maximum of 10 different working cycles (each of them with the following parameters : bottom wraps; top wraps; photocell delay; number of wrapping cycles in continuous sequence)
- Adjustable delay of photocell (to increase/decrease the overlap on top of the load)
- Indexed turntable stopping position
- Regulation of the rotating speed of the turntable (controlled through inverter)
- Regulation of the film tension through a mechanic clutch

OPTIONAL ON REQUEST

- Loading/unloading ramp

NEW

DATI TECNICI/ TECHNICAL SPECIFICATIONS	ECOSPIR ELC SX
manually controlled working cycle	YES
automatic wrapping cycle	YES
detection of pallet height through photocell	YES
setting of reinforcing wraps at the base	YES
setting of reinforcing wraps at the top	YES
maximal wrapping height	mm 2000
turntable diameter ϕ	mm 1500
maximal loading capacity	kg 1700
turntable profile	mm 80
maximal diameter of the stretch-film roll	mm 300
maximal width of the stretch-film roll	mm 500
installed power	kW 1
power supply	3 Ph + N
overall dimensions of the machine	mm 1500x2250x2350
total weight of the machine	kg 370



ECOSPIR ID-X

Power supply	240 V – 50 Hz – 1 ph – 1,25 kW
Compressed air	not required
Turntable rotating speed	up to 12 rpm, controlled by inverter, with indexed stop
Pallet height detection	automatic, by photo-eye (for black, white and reflecting loads, specific/special photo-eyes have to be applied)
Film carriage speed	adjustable, controlled by inverter
Film tension control	with magnetic tension system (power pre-stretch with a 200% fixed ratio available as option)
Turntable diameter	1650 mm
Low profile platform	75 mm from the floor
Max. pallet height	2200 mm
Max. load weight	2000 kg
Machine weight	700 kg
Noise level	less than 75 dB (without film)
Working room conditions	temperature between +5 and +40 °C, with humidity less than 95%
Film roll specifications	external diameter up to 250 mm – 3" (76 m) internal core – width/height of 500 mm - thickness up to 35 mycron
Top and bottom wraps	adjustable
Working functions	controlled by microprocessor
Overall dimensions	L2700xW1650 mm

