

ROBOT MASTER

Due to its extensive experience, Robopac is now introducing a new range of entry level self-propelled wrapping machines, the Robot MASTER. Attractive design and sophisticated technology combine in MASTER to create a solid and reliable robot that wraps loads on pallets. MASTER was constructed according to the design, construction and safety criteria used to build top performance robots.

MASTER is an agile and compact packaging tool based on ROBOPAC's experience with over 25,000 robots sold worldwide. While intended for typically industrial use, MASTER is simple to use, taking various and severe working conditions into account.

Robot Master is also equipped with technical solutions such as: start cycle siren, blinker visible during product wrapping, immediate stop button and emergency bumpers to guarantee high safety levels



DISTINGUISHING MARKS



FR SPOOL CARRIAGE

Spool carriage with electromagnetic brake on return roller. Stretch tension adjustable from control panel. Brake coupling after cycle start for easy film hooking to pallet base



FRD SPOOL CARRIAGE

Spool carriage with mechanical brake on return roller: constant stretch of the film independently of the diameter of the spool. Brake engagement/release device to facilitate hooking the film to the base of the pallet. Auxiliary metal rolls ensure an higher contact surface between film and return roller.



PDS CARRIAGE (only on M110)

Carriage with double pre-stretching system that can be activated from control panel. The carriage is fitted with a pre-stretching system fixed at 250%. By activating the "Stretch control", the carriage can automatically switch to activate the stretch variable of electromagnetic clutch positioned on the first roll of stretch.

CONTROL PANEL FUNCTIONS DESCRIPTIONS:



- The 3 program recordable
- Rotation speed setting
- Upward speed carriage setting
- Downward speed carriage setting
- Upward cycle setting
- Downward cycle setting
- Reinforce cycle setting
- Upward film tensioning (FR, PDS)
- Downward film tensioning (FR, PDS)
- Upward prestretch setting (only on PDS)
- Downward prestretch setting (only on PDS)
- Manual upward-downward carriage
- Upward-downward cycle
- Only upward or only downward cycle
- Top sheet cycle
- F1 program extra pallet
- F2 program cylindrical products
- Partial cycles counter
- Total cycles counter
- Delay photocell setting
- Altimeter
- Start from ground level
- Control panel lock

TECHNICAL SPECIFICATIONS

ROBOT MASTER	
Self-propelled robot for packaging with stretch film	
Carriages	FRD: Film stretching with mechanical brake FR: Film stretching with electro mechanical brake PDS: Double pre-stretch system (only on M110)
Characteristics of the machine	
Batteries	Two 12V 75 Ah (C5) AGV (on M80) Two 12V 110 Ah (C5) lead-acid (on M110)
Machine rotation speed	35 m/min – 65 m/min
Carriage upward/downward speed	1 – 4,6 m/min
Number of pallets per battery charge	150 (with model M80) – 250 (with model M110)
Power supply voltage	from 100 to 240 V (1 Ph)- 50/60 Hz
Installed power	0,3 kW

Characteristics of the product to be wrapped	
Maximum dimensions (LxW):	600 x 600 mm
Maximum useful height:	2200 mm
Maximum load weight:	40Kg

Film spool characteristics	
Max. external diameter (D):	300 mm
Film spool height (h):	500 mm
Film thickness:	17-35 µm
Internal diameter (d):	76 mm
Max. weight:	20 kg