

Semi-automatic Wrapping Machine

DESCRIPTION

NEOX pallet wrapper applies stretch film to pallets through a semi-automatic process. A single operator positions the pallet, attaches the film end, and starts the wrapping cycle. The machine automatically detects the product height and applies the film from bottom to top and back. The operator then cuts the film and removes the pallet. The turntable stops at the home position after each cycle.

OPERATION

Wrapping cycle

- 1 Place the pallet on the turntable and attach the film end
- 2 Press Start — from the control panel or remote (optional)
- 3 The turntable rotates, wrapping the film around the pallet
- 4 The carriage moves up; the photocell detects the top of the pallet
- 5 The carriage moves down and completes the wrapping
- 6 The turntable returns to the home position - operator cuts the film

Main features

- Automatic height detection via photocell
- Adjustable turntable speed: 0 to 12 rpm (frequency inverter control)
- Film tension independently adjustable for up and down travel
- Up to 4 reinforcement positions along the pallet height
- Manual mode for individual control of the turntable and carriage
- Pallet counter
- 5 independent wrapping programs stored in memory



* Illustrative image. Features and appearance may vary depending on configuration

CONTROL PANEL

Touch screen with graphical interface. Allows setting and saving 5 independent programs. Each program controls:

- | | | |
|---------------------|----------------------------|--|
| – Turntable speed | – Carriage up speed | – Carriage down speed |
| – Film tension (up) | – Film tension (down) | – Bottom wraps |
| – Top wraps | – Number of up/down cycles | – 4 reinforcement positions (height, tension, wraps) |

SAFETY

Emergency stop

Button on panel, reset by turning clockwise

Foot protection

Sensor under carriage - stops automatically on contact

Safety switch

Mounted on the film carriage, upper section

Earth wire

Earthed electrical system, tested at commissioning

TECHNICAL SPECIFICATIONS

Turntable diameter	1650 mm
Max. turntable load	2000 kg
Max. pallet size (L × W)	1200 × 1200 mm
Max. wrapping height	2400 mm
Height detection	Automatic, via photocell
Turntable speed	0 – 12 rpm (adjustable via frequency inverter)
Compatible film thickness	9 – 30 µm
Power supply	220V, single phase, 50 Hz
Installed power	1.49 kW
Protection rating	IP54
Machine weight	approx. 500 kg
Noise level (at 1 m)	72 dB

AVAILABLE OPTIONS

▪ Mechanical pre-stretch carriage	▪ Wireless remote control
▪ Access ramp (short / standard / heavy-duty)	▪ Recessed floor frame — turntable flush with floor level
▪ Extended column — wrapping height 3000 mm or 3300 mm	▪ Automatic top press — for unstable pallet loads
▪ Photocell for dark-colored loads	▪ Integrated weighing scale
▪ Perimeter safety gate and fence	▪ Floor-level protection beams against forklifts

INSTALLATION AND OPERATING CONDITIONS

WORKING ENVIRONMENT

- Ambient temperature: +5°C ... +40°C
- Relative humidity: 30% – 80%
- Do not use in explosion hazardous environments

SPACE REQUIREMENTS

- Minimum room height: 3600 mm
- Minimum clearance (sides): 1000 mm
- Minimum clearance (front): 2000 mm
- Flat and level surface