

### Machine Type: "H 1300"



H 1300

#### General Specification

- Semi-automatic pallet stretch wrapping machine – turntable type.  
Machine with PLC based control system:  
PLC brand Siemens, type S7-200
- Turntable driven by motor gearbox, with soft start/stop via frequency inverter.
- Fixed stop turntable position, turntable locked when stationary via braked motor.
- Film slide driven by braked worm gear motor, 0,37 kW
- Film slide lift mechanism is via two driven chains.
- Film-slide travel rate adjustable to give independent control of overlap for upward and downward travel.
- Photocell sensing of pallet height.
- Functions that can be selected from the operator panel:
  - 3 standard pre-selectable programs:
    - a) Spiral wrap.
    - b) Cross bias wrap.
    - c) Top sheet program - rainproof wrap.
  - Single press button control to reset film slide on completion of spiral wrap.
  - Operator setting for number of bottom wraps (1 - 8).
  - Operator setting for number of top wraps (1 - 8).
  - Control of film overshoot at top of pallet.
  - Independent control of film slide travel to give required film overlap for upward and downward travel.
  - Control of lay-on force of film via Potentiometer (film tension).
- Limit switches for film slide travel.  
(Upper position fixed, down position adjustable)
- Paint RAL 5021

**Dimensions:**

- Height of tower (Std)            2760 mm
- Required height of the room    3100 mm
- Turntable speed                    5 - 15 rpm
- Turntable diameter (std)        1600mm
- Turntable height                  63mm
- Max. pallet weight                1500 kgs
- Max. pallet size                    L x B x H  
   1200 x 1000 x 2200
  
- Electrical supply                    3 x 400 V, N, Pe, 50 Hz, 2.0KW, 16A
  
- **powered pre-stretch system**  
**Pre-Stretch roller driven by ECO-FILM drive motor gearbox**  
**via electronic variable speed drive.**  
**Lay-on force is regulated by an operator setting.**  
**Three possible pre-stretch rates, 100 % / 150 % / 200 %**
  
- for film rolls with:
  - Film width                            :     500 mm
  - Film rolls diameter :     max. 250 mm
  - Core diameter                        :     76 mm
  - Tack side                                :     Outside of film roll

Optional 2 motor pre-stretch system available:

**instead of the three-step Standard Pre-Stretch System is also available a continuously adjustable Two-Motor Pre-Stretch System**

- Two-Motor Pre-Stretch System  
 Both Pre-Stretch rollers driven by separate ECO-FILM drive motor gearboxes via electronic variable speed drive.  
 Lay-on force and pre-stretch rate is independent regulated by an operator setting via Potentiometers.  
 The System allows a pre-stretch rate between 50 - 250 %
  
- **Safety stop on the underside of film slide.**

### Component Manufacturers

Motors:	SEW
PLC:	Siemens
Drives:	Lenze
PSU:	Weidmuller
Terminals	Weidmuller
Sensors	IFM
Limit Switches;	Bernstein & Siemens
Photo Cells:	Leuze
Control Gear:	Siemens
Interface Relays:	Finder
Switchgear:	Schneider

### Optional Equipment

- Larger Diameter Turntables
- Heavy Duty Turntables
- Twin Turntables (and 1 tower for increased capacity)
- Ramps (for loading turntables with pump trucks)
- Floor Frames (to enable turntables to be set into the floor)
- Turntables with Integral Weighing Scales
- Extended Towers (for pallets upto 3M)
- Electrically driven Top Plattens (to stabilise the load by pressing on the top of the pallet)
- Special photocell (for dark coloured products)
- Galvanised machine