

Machine Type: "SAR 18"



SAR 18

General Specification

- Semi-automatic pallet stretch wrapping machine – turning arm type.
- Freestanding section steel structure.
- Machine with PLC based control system, PLC brand Siemens, type S7-200

- Turning Arm driven by motor gearbox, with soft start/stop via frequency inverter.
- Fixed stop Turning Arm position. Arm is locked when stationary by braked motor.

- Film slide driven by braked worm gear motor.
- Film slide traction about a maintenance-free high-capacity belt.
- 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.

- Limit switch for film slide travel.
(Upper position fixed, down position adjustable)

- Paint RAL 5021

Dimensions:

- Turning Arm diameter 3140 mm
- Height of Machine 3400 mm
- Required height of the room 3500 mm
- Turning Arm speed 5 - 10 rpm (continuously)
- Max. pallet weight N/A
- Max. pallet size L x B x H
 1200 x 1200 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

- **with safety stop on the film slide**

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 %

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