

TOSA

STRETCH WRAPPING TECHNOLOGY



Rotating platform

TOSA 090

STRETCH WRAPPING MACHINE TOSA 090

Tosa 090 stretch wrapping machine with rotating platform is ranked in a high-level range of the market and can meet production needs **up to 50 pallets/hour**.

The machine has been designed in order **to minimize maintenance costs and film consumption**.



MACHINE CONFIGURATION

Powered pre-stretch up to 350%

Film sealing unit on counter-bar, not in contact with the product

Idle roller for film roping on pallet base

Operator panel 7" with colours and graphic user interface suitable to display production data in real time, film consumption, and average pre-stretch

Possibility to customize up to 20 wrapping programs with variable parameters to be applied in different areas of the load such as:

wrapping spiral speed, number of film wraps, tension, pre-stretch, film roping (opt), strategic film positioning with reinforcement wraps, and adjustment of film distribution on the corners of the pallet (opt)

DESIGN FOR LOW MAINTENANCE

Pre-stretch carriage and top presser up-down movement by toothed belts and IGUS guide system totally maintenance and lubrication free.

GROUND LEVEL MOTOR POSITIONING

Gear motors placed at floor level and outside the machine column for easy inspection and maintenance without any need for overhead work.

ANTI-FALL SYSTEM FOR SUSPENDED UNITS

Pre-stretch carriage and top presser equipped with anti-fall mechanical system to ensure maximum safety during usage.

STRATEGIC FILM POSITIONING

Possibility to apply the right amount of film where it is needed (reinforcement wraps) because each product has different wrapping needs.

SMART DATA GATHERING SYSTEM

System for gathering production data and **film consumption**, with possibility to create an exportable database via USB port or Ethernet network.

TROUBLE SHOOTING SMART INTERFACE

System with user-friendly graphic interface guiding the operator in the resolution of anomalies in a clear and intuitive way.



PROGRAMS SYSTEM STRATEGIC FILM POSITIONING					
PROGRAM	Wraps	Prestretch	Spikes	Pre-stretch	Pre-stretch
1	3.0	300 mm	2 mm	+0 %	200 %
2	3.0	300 mm	2 mm	+0 %	200 %
3	3.0	300 mm	2 mm	+0 %	200 %
4	3.0	300 mm	2 mm	+0 %	200 %

HELP FAULT 20	
DESCRIPTION	AIR PRESSURE REDUCED AFTER PAUL SOL VALVE
CAUSE	THIS FAULT OCCURS ONLY WHEN THE PAUL SOL VALVE IS DAMAGED AND THERE IS AIR PRESSURE PRESENCE AFTER THE PAUL SOL VALVE
SOLUTION	CHECK AIR FILTER'S STORAGE ON ELECTRIC CONTROL VALVE, VERIFY THE CORRECT FUNCTIONAL OF PRESSURE SENSOR

SMART DATA GATHERING SYSTEM					
130 g	214.8 %	7091 mm			

SMART DATA GATHERING SYSTEM											
DATE	TIME	PROGRAM	WRAPS	PRESTRETCH	SPIKES	PRE-STRETCH	PRE-STRETCH	PRE-STRETCH	PRE-STRETCH	PRE-STRETCH	PRE-STRETCH
1	10:00:00	1	30	300	2	0	0	0	0	0	0
2	10:05:00	2	30	300	2	0	0	0	0	0	0
3	10:10:00	3	30	300	2	0	0	0	0	0	0

OPTIONALS TOSA 090



**AUTOMATIC SEALING UNIT WITH
MOVABLE COUNTER BAR**

The system moves the counter-bar close to the pallet so to enable film cutting and sealing operations close to the palletized load.



POWERED TOP PRESSER

Suitable for holding the product on the pallet during the wrapping cycle. Design for Low Maintenance. Design for Fail Safe.



POWERED VARIABLE PRE-STRETCH

Possibility to set wrapping cycles with variable pre-stretch ratio up to 350% from the operator panel.



FILM ROPING

Possibility to narrow the film band and provide more steadiness to the palletized load. It is possible to set its use as a variable parameter in each wrapping program.



**VERTICAL CORNER POSTS
APPLICATION SYSTEM**

Automatic system for the application of vertical corner posts to protect the vertical edges of the palletized product. Various configurations are available depending on layout and production needs.



**DUST-PROOF OR WATER-PROOF
PROTECTION**

System for the application of top film sheet for dust-proof or water-proof protection of the palletized load, available in various configurations depending on layout requirements, and possibility of automatic top film roll change without operator's intervention.

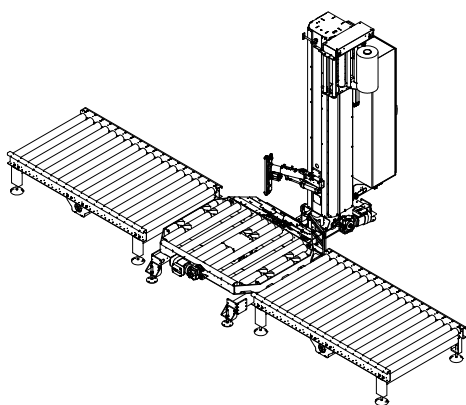
FILM FEATURES

- self-adhesive stretch wrapping film
thickness 15÷30 μ - roll height 500 mm - inner \varnothing 76 mm - outer \varnothing max 250 mm

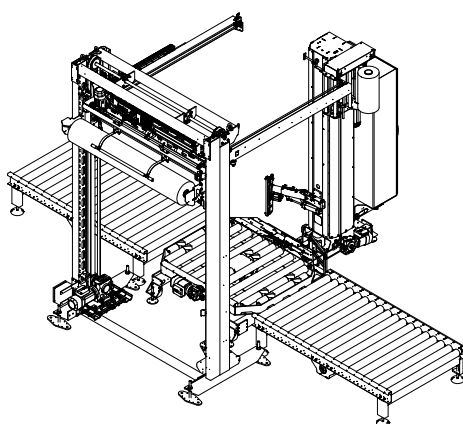
Possibility to use:

- antistatic polyethylene top film
thickness 50÷80 μ - roll width max 1800 mm - inner \varnothing 76 mm - outer \varnothing max 250 mm

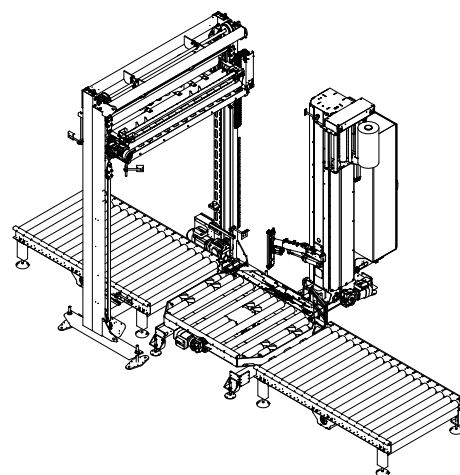
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