

GENESIS FUTURA HS 50

Automatic stretch wrapping machine with rotating ring to wrap pallet loads with stretch film designed for use in industry sectors that require high production capacities. The main feature of Genesis HS series stretch wrapping machines is unique system which, during ring rotation, produces its own power to drive film pre stretch rollers. This technical and internationally patented solution can operate without sliding electrical contacts, minimising maintenance costs since the problems of contact wear and sparks are fully eliminated, and can be used in dusty and humid environments.



Since wrapping is performed on a static pallet, maximum ring rotation speed can be used without the risk of any part of load being dislodged even with lightweight and unstable products. Thanks to the cantilever design of the support structure, Genesis HS pallet stretch wrapping machines can be easily installed into existing pallet conveyor lines. Genesis HS 50 is ideal for an output capacity up to 90 loads/h depending on line speed and the total number of revolutions of film required.

DISTINGUISHING MARKS

ROTATION UNIT



The Rotating ring is a precision engineered component guaranteed to work at maximum speed. The smooth running of the ring assembly extends the working life of

the parts in motion. Drive to the ring is created by a high resistance flat belt which is both very durable and extremely quiet in operation. Rotation speed, acceleration and deceleration is controlled by a frequency inverter further extending the working life of the equipment.

RING LIFT



Double chain and double motor arrangement mounted on a robust 2 column steel frame guarantees synchronous vertical movement of the ring assembly. Ring lift/lowering speed is controlled

by frequency inverter.

AUTOMATIC FILM REEL



The new automatic film reel change (ARC 2) uses two carriages located locally to the rotating ring and within the machine's safety guards, once the reel is finished on the pre-

stretch carriage, it automatically expels the core and fits a new reel. The reel change unit is then reloaded by an operator without stopping the machine. This new device extends the duty cycle of the machine and results in higher production capacity. The automatic reel change assembly can be provided as a single or double unit as required.

TOP SHEET COVER



TOP INSIDE device to cover the pallet with polyethylene film. Film is dispensed using a patented system that unwinds the correct amount of film, optimising consumption and

perfectly centring the top sheet over the pallet. Film dispense and deposit occur without reducing machine production capacity.



"ROPING" DEVICE (OPTION)

Device that reduces the film strip into a "rope" to ensure more efficient load stabilisation by making the load and pallet a single homogenous unit. Film is gathered from above or below in the single movement version while it is grouped at the centre in the dual cylinder version.



CLAMP AND CUT

Pneumatically driven spring clamp (Robopac patent) with film height reduction and hot wire cutting. The welding unit ensures perfect film tail adherence to the pallet.

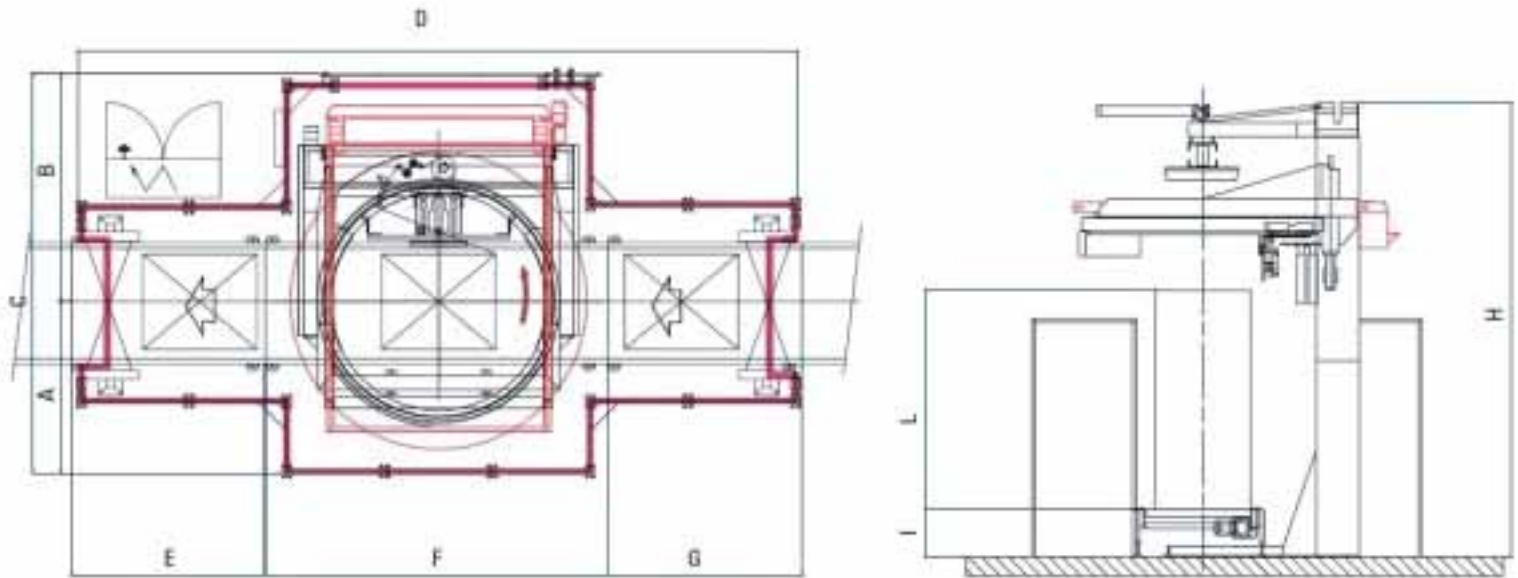
TECHNICAL SPECIFICATIONS

TECHNICAL FEATURES		
	HS 50	HS 50 T.I
A	1800 mm	1800 mm
B	2200 mm	2500 mm
C	4000 mm	4300 mm
D	7540 mm	7540 mm
E	2040 mm	2040 mm
F	3600 mm	3600 mm
G	2040 mm	2040 mm
H	4774 mm	4774 mm
I	500 mm	500 mm
L	2300 mm	2300 mm
Pallet dimensions (*)	1000×1300 mm	1000×1300 mm
Ring speed	50 Rpm	50 Rpm
Max output capacity	90 Pallet/h	90 Pallet/h
Standard power supply	400/50 V/Hz	400/50 V/Hz
Power installed	11.0 Kw	12.0 Kw
Air pressure	6±1 Bar	6±1 Bar
Air consumption	250 NI/min	350 NI/min

(*) Possibility of stretch wrapping half and quarter pallet.

LAYOUT

HS 50 - HS 50 T.I.



DIMENSIONS

STD Min pallet dimensions	600 x 800 mm
STD Max pallet dimensions	1000 x 1300 mm
STD Pallet Height	2000 mm

TECHNICAL DRAWINGS

- Technical drawings of this machine are available ON REQUEST