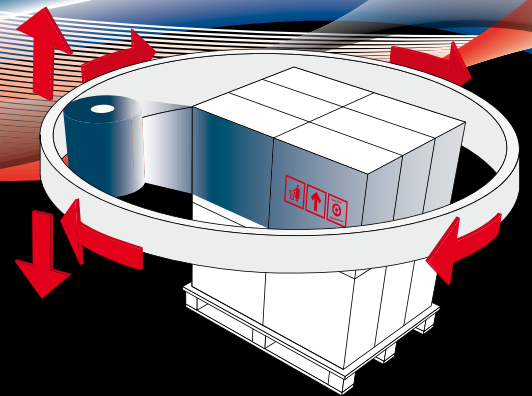


GENESIS HS

AUTOMATIC RING WRAPPING MACHINES



ROBOPAC 
SISTEMI

ROBOPAC SISTEMI

ROBOPAC SISTEMI, established in 1985, is the world leader in the production of systems of fully automatic stretch film wrapping machines for palletized loads. The Company stands out for its great capacity to provide customized and innovative solutions in both performance and reliability. Three technologies have been developed for load packaging: rotating arms, turntables, and rotating rings, in addition to horizontal wrappers for elongated products and packaging systems for the wood industry. Thanks to a worldwide capillary distribution network, and to the spare parts servicing centers present in our foreign affiliates, ROBOPAC SISTEMI ensures quick, decisive after sales service support.

AETNA GROUP

AETNA GROUP produces and sells on a worldwide basis stretch film wrapping machinery, bundlers, shrink film wrappers, cartoning and taping machines. The Group counts 460 employees of which 80 engaged in the After Sales Department. 94, 000 machines sold and installed worldwide with yearly sales of over 124 million dollars. Four production plants, three of which are in Italy, one in the Republic of San Marino, a joint venture in India, ROBOPAC PERKS, a network of over 460 Agents and Distribution and 5 foreign affiliates located in France, Great Britain, Germany, United States and the new AETNA GROUP VOSTOK in Moscow.

ROBOPAC SISTEMI pursues the Quality policy with commitment and by following this direction in 2003 it has received from TÜV SÜD ITALIA the acknowledgement consequently renewed in 2006 for the adequateness of its organization to the UNI EN ISO 9001:2000.

GENESIS HS

A complete range of automatic ring wrapping machines to wrap pallet loads with stretch film designed for use in the Food, Beverage, and other sectors that require high production capacity. The special feature of Genesis HS series wrapping machines is the film carriage system which self generates its own power to operate its pre-stretch motor(s). This technical and internationally patented solution, eliminates the use of sliding electrical contacts and associated maintenance costs in addition to eliminating the danger of sparks in a dusty environment. The Genesis design can easily be incorporated within new or existing production lines and is especially capable of handling light weight to stable pallet loads due to the rotating ring concept. Due to these features, Genesis HS series wrapping machines have a wide







range of application in various industry sectors. The modular design provides units with either a single film carriage (Genesis HS 50) or a double film carriage (Genesis HS 50/2) design to cover a wide range of production speeds.

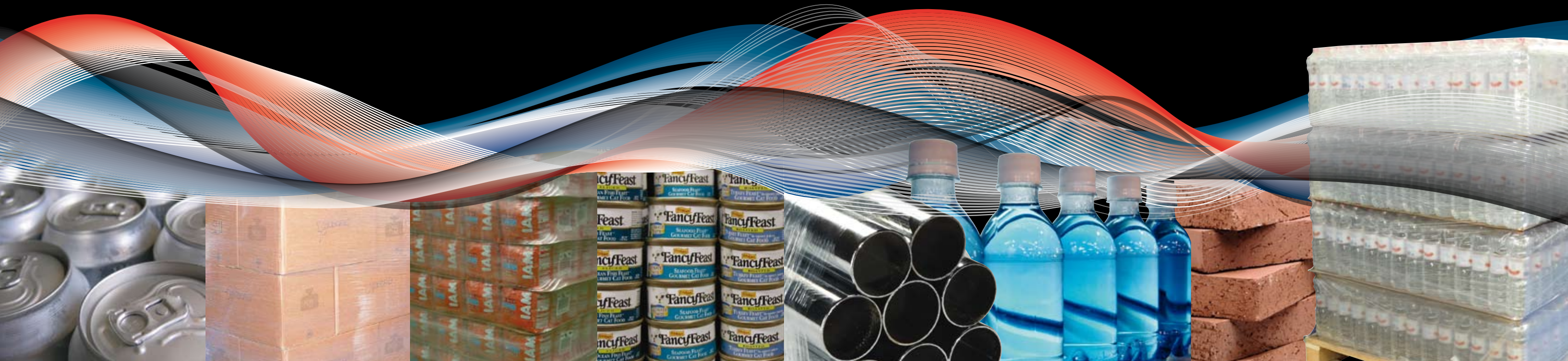
GENESIS HS 50	90 Loads/hour
GENESIS HS 50/S	150 Loads/hour <i>(with top sheet application for water proof requirement)</i>

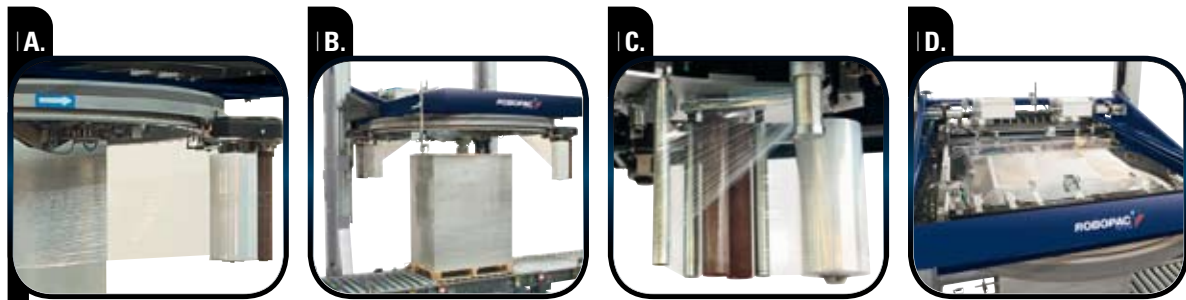
ROBOPAC SISTEMI also provides a complete end-of-line, from palletizer to warehouse, solutions with a wide range of pallet conveyor systems: roller conveyors, chains, deviators, track transport systems, pallet stackers, etc.



ROBOPAC SISTEMI's production range in packaging with stretch film is based on the following types of machines:

					
Automatic turntable wrapping machine	Automatic rotating arm stretch wrapping machines	Vertical rotating ring wrapping machines	Automatic stretch hood machines	Automatic band wrapping machines	Horizontal rotating ring wrapping machines





A. ROTATION UNIT

The rotating ring is manufactured to extremely high standards which guarantee a long life for all parts which are in motion from slow to maximum speeds. A high resistance, reliable, and silent belt drives the ring assembly, while the rotation speed is controlled, and continuously regulated by a frequency converter via the control panel.

B. RING LIFT

Dual chain system supported by a robust double column tubular structure to operate in maximum safety in any working conditions. Ring lift and lowering speeds are controlled by the frequency converter and are separately adjustable from the control panel with the possibility of varying film strip overlapping in lift and lowering.

C. CLAMP AND CUT

The pneumatically driven spring clamp (exclusive Robopac patent) with film strip narrowing device and hot wire cutting. The welding unit ensure perfect film tail welds onto the pallet.

D. TOP SHEET COVER

TOP INSIDE device to cover the pallet with polyethylene film. Film is retrieved using a patented system that unwinds the correct amount of film, optimizing consumption and perfectly centering the top sheet on the pallet. Retrieval and deposit occur without reducing machine production capacity.

GENESIS HS 50

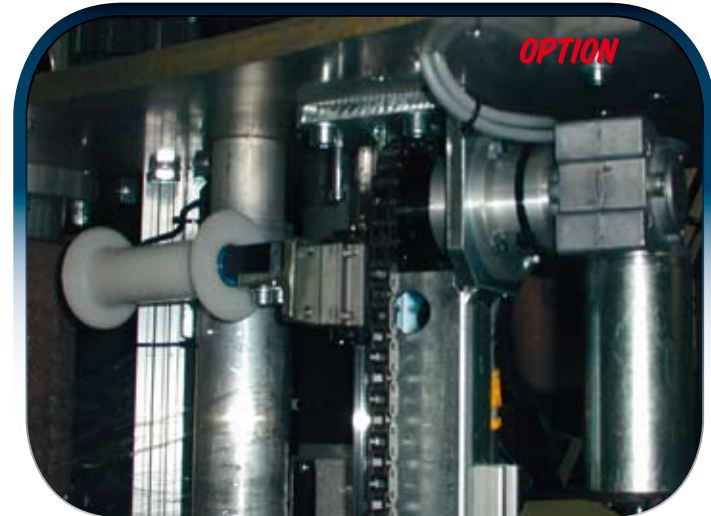
GENESIS HS 50/2



ROBOPAC PRE-STRETCH UNITS

TECHNOLOGY AND INNOVATION FOR HIGH PERFORMANCES

The roll carriages installed on the Genesis HS series wrapping machines achieve maximum stretch capacity thanks to the high grip of the material used to cover the pre-stretch rollers, ensuring: • excellent load stability • minimum film consumption • reduced environmental impact The film deposit strength on the load is controlled by patented electronically controlled compensation systems; these technical solutions can even wrap lightweight, fragile and soft loads without deformations

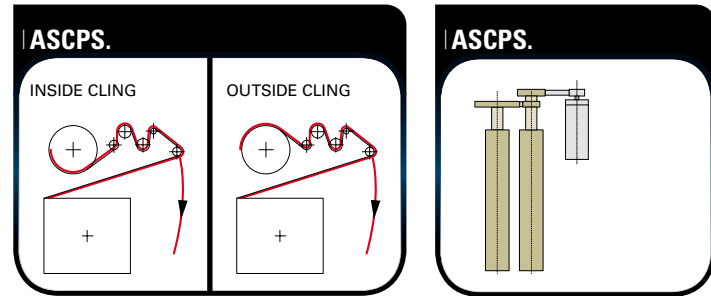


“ROPING” DEVICE

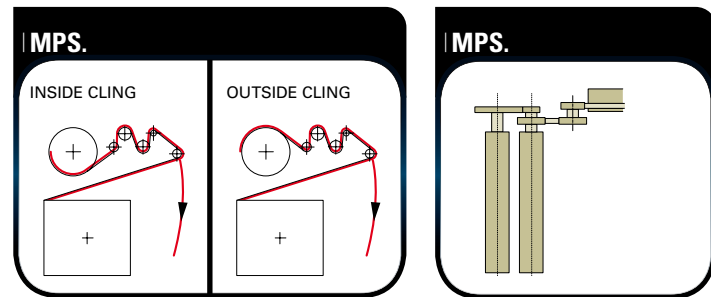
Device that reduces the film strip into a “rope” to ensure more efficient load stabilization; option available on the GENESIS HS 50 machine with ASCPS carriage.

Film is grouped low/high in the single movement version while it is grouped at the centre in the dual cylinder version.

Driven pre-stretch roller carriage fixed ratios available for GENESIS HS 50 Standard pre-stretch values: 150%, 180% e 210%; maximum value available upon request: 300%. The film deposit strength on the load is controlled by electromechanical compensation devices.

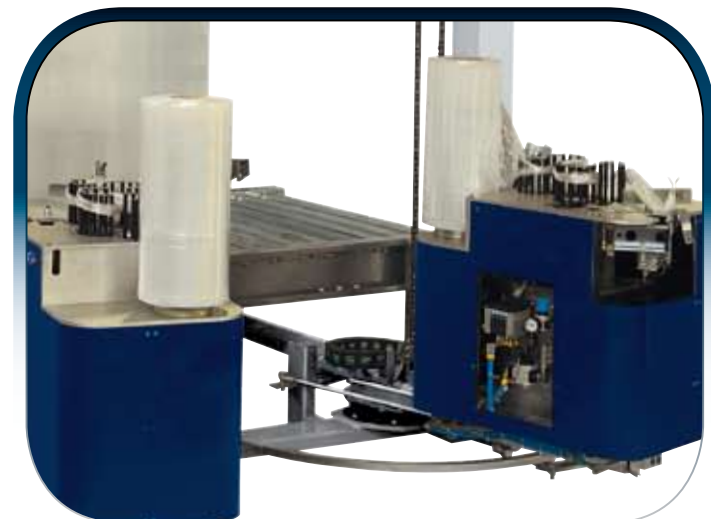


Fixed ratio pre-stretch carriage with mechanical roller drive obtained with internationally patented transmission device; available for GENESIS HS 50 50; GENESIS HS 50/2. Standard pre-stretch values: 150%, 180% e 210%; maximum value available upon request: 300%. Film deposit strength on load controlled by mechanically driven compensation systems.



AUTOMATIC ROLL CHANGE

A patented unit automatically changes the roll without operator assistance, expelling the empty cardboard roll core and replacing it with a full roll using pneumatic drive; the lack of electromechanical movements ensures reduced power consumption and improves reliability. The single ARC/1 and double ARC/2 versions are available. The ARC/2 solution that houses 2 full rolls provides the operator with greater roll change flexibility. The roll change units are installed in the perimeter guards but outside the ring work range and, therefore, new rolls can be installed without stopping wrapping machine operations.

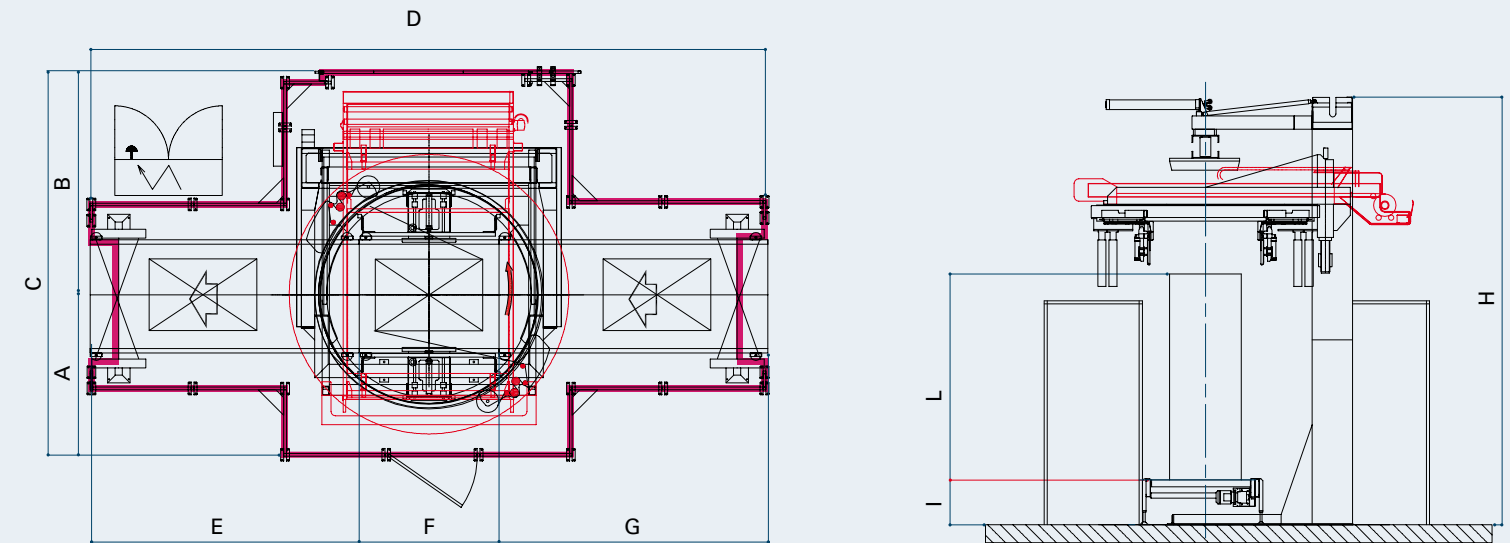


TECHNICAL FEATURES

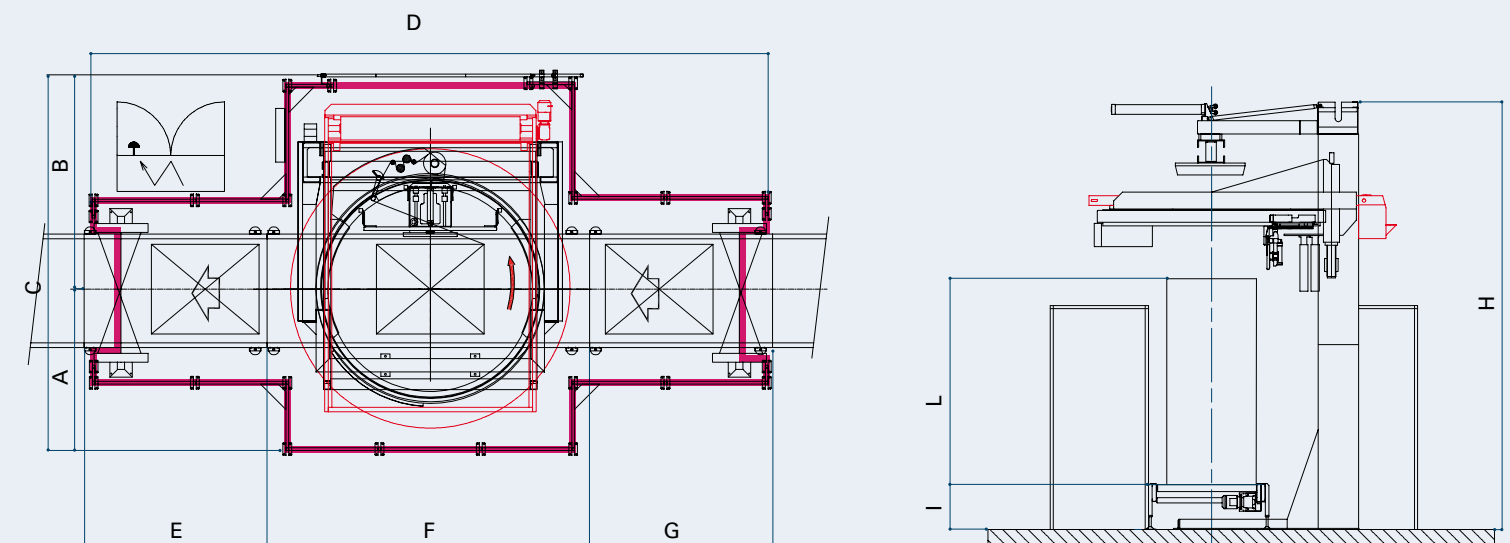
MACHINES		HS 50	HS 50 T.I.	HS 50/2	HS 50/2 T.I.
A	inches	71	71	71	71
B	inches	87	98	87	98
C	inches	157	169	157	169
D	inches	297	297	297	297
E	inches	80	80	118	118
F	inches	142	142	61	61
G	inches	80	80	118	118
H	inches	188	188	188	188
I	inches	20	20	20	20
L	inches	91	91	91	91
Pallet dimensions (*)	inches	39x51	39x51	31x47	31x47
Ring speed	Rpm	50	50	50	50
Output capacity	Pallet/h	90	90	150	150
Standard power supply	V/Hz	400/50	400/50	400/50	400/50
Power installed	Kw	11	12	17	18
Air pressure	Bar	6±1	6±1	6±1	6±1
Air consumption	NI/min	250	350	250	350

(*) POSSIBILITY OF STRETCH WRAPPING HALF AND QUARTER PALLET NOT POSSIBLE WITH XL AND XL T.I. / T.I. Top Inside / T.O. Top Outside

HS 50/2 - HS 50/2 T.I.



HS 50 - HS 50 T.I.



PERIMETRAL GUARDS ACCORDING TO CE WITH SAFETY PHOTOCELLS BARRIERS. TECHNICAL SPECIFICATIONS MAY VARY WITHOUT PRIOR NOTICE.