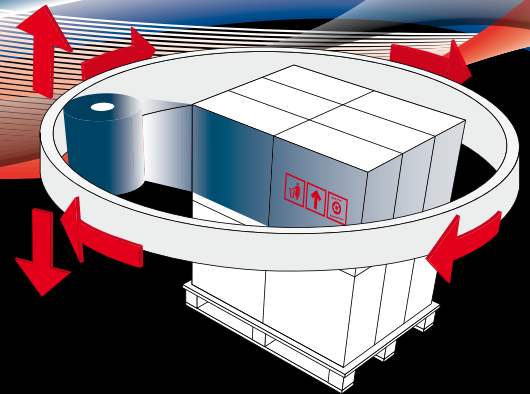


# ***GENESIS FUTURA***

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 FUTURA

A wide range of rotating ring machines to wrap and stabilize loads on pallets with stretch film designed for multiple merchandise sectors. The Genesis Futura series wrapping machines, like Genesis HS series machines, operate without sliding electrical contacts and feature the exclusive system that powers prestretch driven units with batteries charged during machine pauses at pallet infeed and outfeed. This technical and highly innovative solution, in addition to eliminating all the typical problems of sliding contacts, also significantly reduces the overall machine weight and correctly balances rotating masses. All this, in addition to guaranteeing reduced investment costs and, consequently, high competition levels, ensures: low electrical energy consumption; reduced maintenance; high reliability and long working life. Furthermore, construction solutions were adopted to minimize transport costs and installation time with economic

advantages for the end user. The modularity of the structural and functional units provide high flexibility and versatility expressed with 2 traditional pallet models (max. dimensions: 39x47 inches) and 2 models for large-sized pallets (max: 57x57 inches and 75x75 inches).

GENESIS FUTURA 40	65 Loads/h
GENESIS FUTURA 80	135 Loads/h
GENESIS FUTURA L	55 Loads/h
GENESIS FUTURA XL	50 Loads/h

ROBOPAC SISTEMI also provides complete solutions that range from end palletizing line packaging to the shipping and storage warehouse with a complete range of driven roller, chain, deviator and track

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



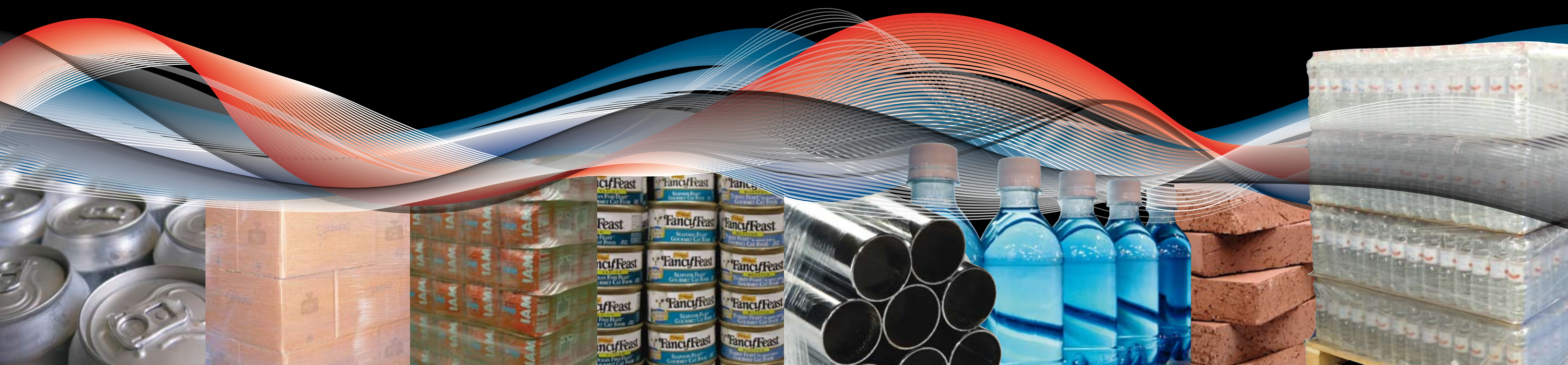
Automatic stretch hood machines



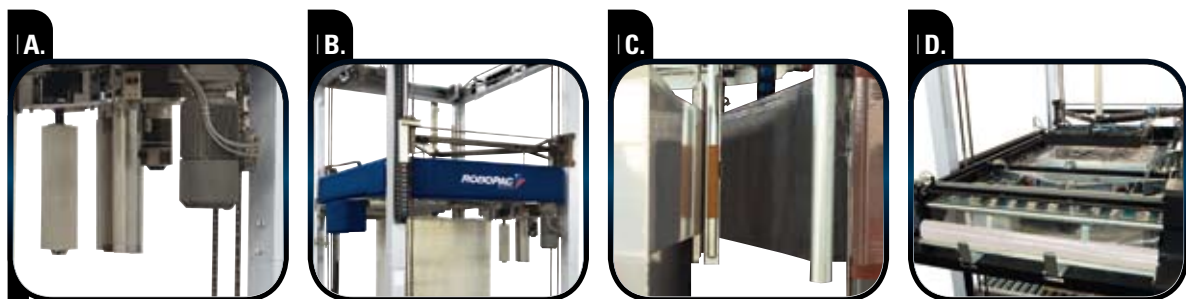
Automatic band wrapping machines



Horizontal rotating ring wrapping machines







#### A. ROTATION UNIT

Rotating ring planarity and dimensional constancy are guaranteed to work at maximum speed protecting the integrity and working life of parts in motion; drive is created by a high resistance, reliable and silent belt. Rotation speed is controlled by a frequency converter, continuously regulated by the control panel.

#### B. RING LIFT

2-chain interconnected ring kinematics to ensure synchronous ring lift supported by a robust 4-column structure combined with an upper sheet metal frame. This permits operations in maximum safety conditions, even in the most heavy duty conditions. Ring lift/lowering speed is controlled by frequency converter and adjustable from panel board.

#### C. CLAMP AND CUT

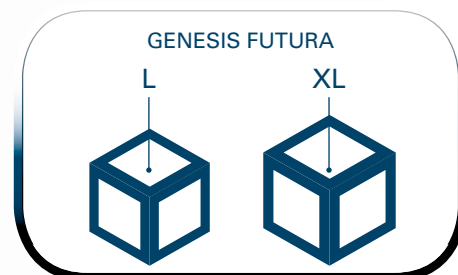
Pneumatically driven clamp unit with hot wire film cut that also includes a film tail welding device.

#### 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 centring the top sheet on the pallet. Retrieval and deposit occur without reducing machine production capacity.

## GENESIS FUTURA 40/L/XL

## GENESIS FUTURA 80



GENESIS FUTURA L: pallet max. 57x57 inches  
GENESIS FUTURA XL: pallet max. 75x75 inches



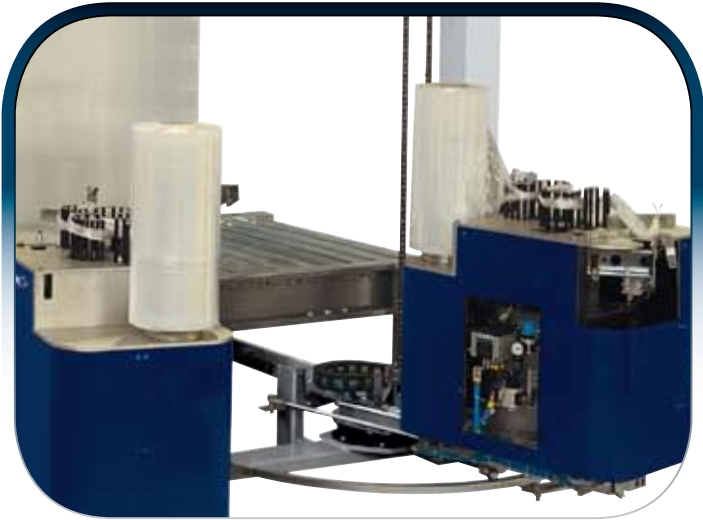


**ROBOPAC PRE-STRETCH UNITS**  
TECHNOLOGY AND INNOVATION FOR HIGH PERFORMANCES  
The roll carriages installed on the Genesis Futura series wrapping machines achieve maximum stretch capacity thanks to the high grip of the material used to cover the pre-stretch rollers, ensuring:

Fixed ratio pre-stretch driven roller carriage with direct current drive for GENESIS FUTURA 40; GENESIS FUTURA L; GENESIS FUTURA XL. 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.

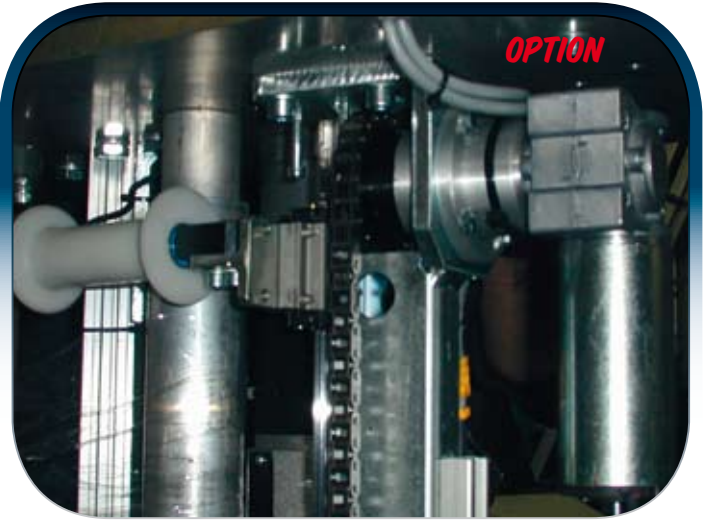
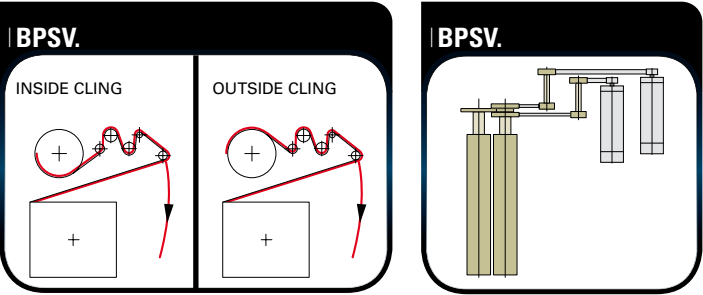
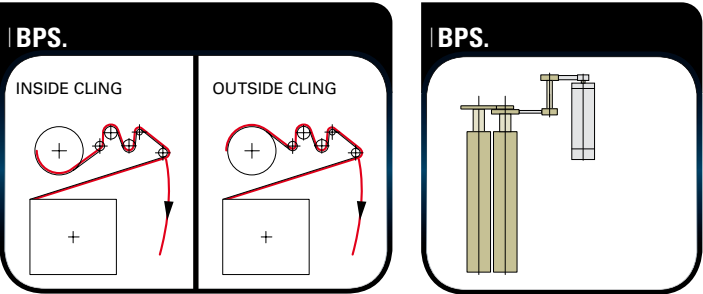
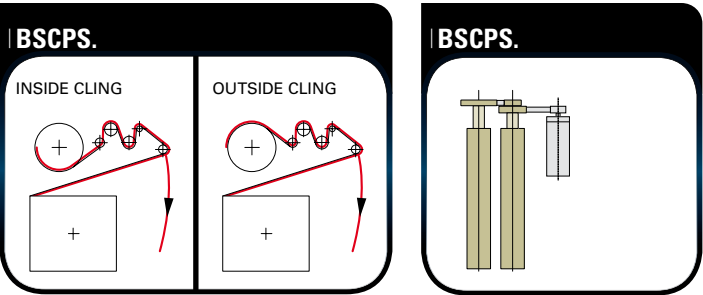
Patented dual drive pre-stretch roller carriage with variable pre-stretch ratio from 0% to 400% for GENESIS FUTURA 80. Panel adjustable film deposit strength on load and controlled by an electronic compensation device.

Powered rollers pre-stretch carriage with fixed ratios available on ROTOPLAT HD. Maximum pre-stretch value: 340%; other values available: 80%-150%-190%-225%. Film deposit force onto the load controlled by electronic device.



**AUTOMATIC ROLL CHANGE**  
A patented unit automatically changes the roll without operator assistance, expelling the empty cardboard reel 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 reels can be installed without stopping wrapping machine operations.

- 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.

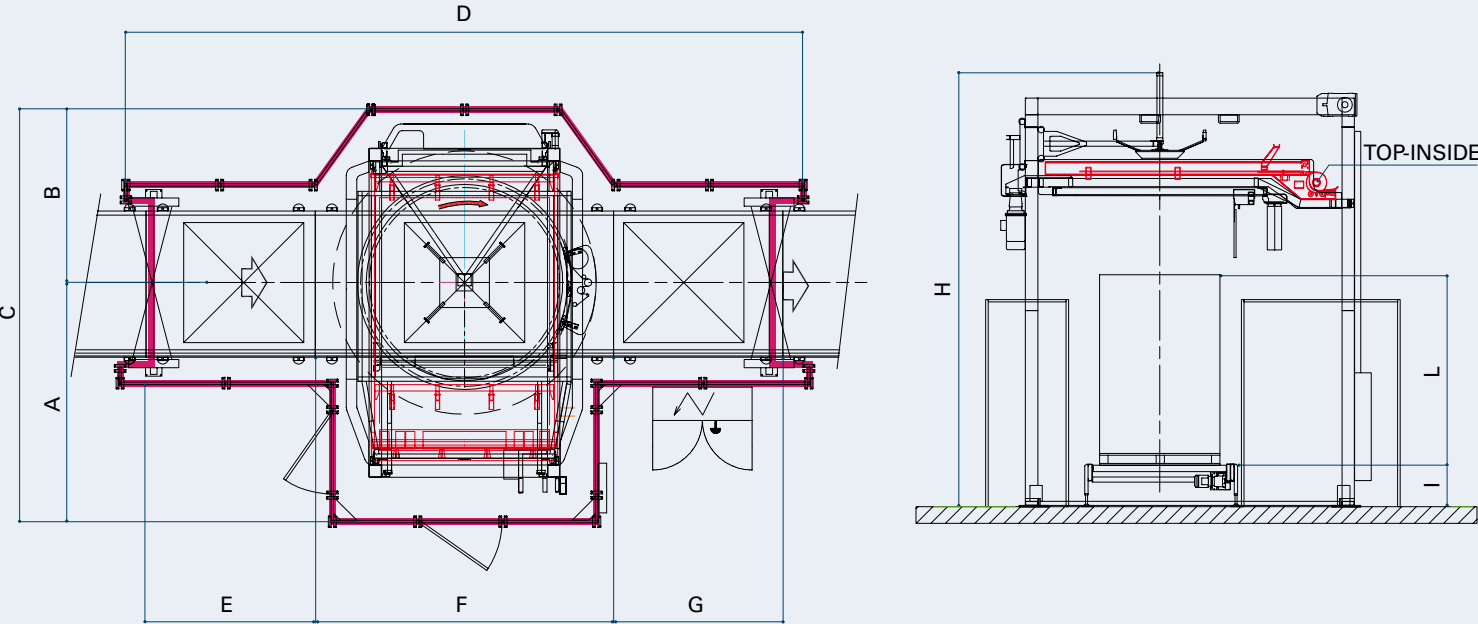


**“ROPING” DEVICE**  
Device that reduces the film strip into a “rope” to ensure more efficient load stabilization; Film is grouped low/high in the single movement version while it is grouped at the centre in the dual cylinder version.

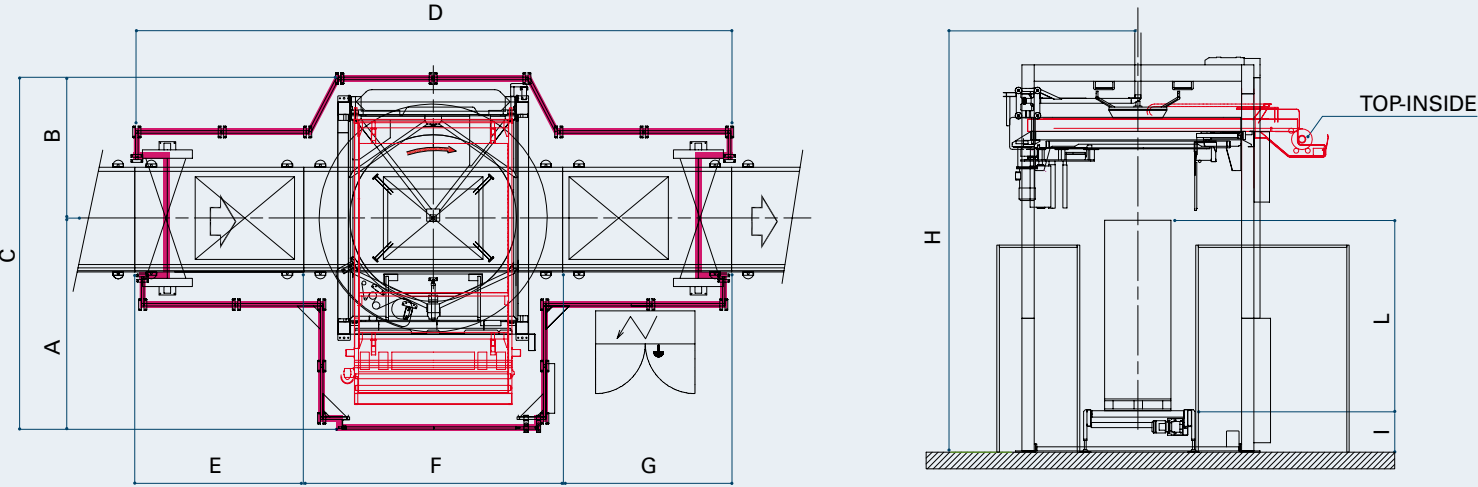
TECHNICAL FEATURES									
MACHINES		40	40 T.I.	80	80 T.I.	L	L.T.I.	XL	XL T.I.
A	inches	76	100	76	100	113	114	128	126
B	inches	67	67	67	67	83	83	96	96
C	inches	143	167	143	167	195	197	224	222
D	inches	283	283	283	283	323	323	374	374
E	inches	80	80	80	80	80	80	99	99
F	inches	123	123	123	123	142	142	161	161
G	inches	80	80	80	80	80	80	99	99
H	inches	201	201	201	201	206	206	207	207
I	inches	20	20	20	20	20	20	20	20
L	inches	91	91	91	91	91	91	91	91
Pallet dimensions (*)		inches	39x47	39x47	39x47	57x57	57x57	75x75	75x75
Ring speed		Rpm	40	40	80	80	34	34	30
Standard power supply		V/Hz	400/50	400/50	400/50	400/50	400/50	400/50	400/50
Power installed		Kw	7	8	13	14	10	11	11
Air pressure		Bar	6±1	6±1	6±1	6±1	6±1	6±1	6±1
Air consumption		NI/min	250	350	250	350	250	350	250

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

GENESIS FUTURA L.T.I. - GENESIS FUTURA XL.T.I.



GENESIS FUTURA 40.T.I. - GENESIS FUTURA 80.T.I.



PERIMETRAL GUARDS ACCORDING TO CE WITH SAFETY PHOTOCELLS BARRIERS.  
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