

STRETCH YOUR MONEY TO ENSURE YOU MAXIMIZE SAFE DELIVERY OF YOUR PRODUCT

Penguin is an acknowledged leader in stretch wrap solutions for a wide range of products that comprise pallet wraps to compact wraps and mini-roll wraps. With a 25-year track record in the industry, Penguin products provide efficient stretch-wrap solutions for both Indian and global companies, endearing itself to its customers as a dependable manufacturer of industrially advanced stretch wrap solutions provider.

Penguin machines are designed to International standards and specifications and are built to guarantee high standards of performance, safety and reliability. Penguin aftersales service ensures that machine downtime is minimal and quick turnarounds are achieved in troubleshooting situations at customer locations.

Penguin Engineers commenced manufacturing in 1991 and have since developed competence and infrastructure that positions it at the forefront of the stretch wrapping business, with its state-of-the-art facility located at Coimbatore, Tamilnadu, India.

Penguin Technicians, Engineers and Management Team members have been trained in leading training forums at Italy, Japan & India which places the competence of the company at par with global standards.

Fabric Roll Wrapper



Reel Wrapper



Carton Box Wrapper



Pallet Stretch Wrapper



Coil Wrapper



Ring Wrapper



Mini Roll Wrapper



Model: CLASSIC

PALLET STRETCH WRAPPER

A robust automatic efficient pallet wrapping machine that provides high quality and sea-worthy palletized loads for high throughput applications. The Penguin "Powered Pre-Stretch unit" greatly economizes in film consumption.

Features:

- Fully automatic operation machine
- Heavy duty turn table for all industrial applications
- Powered pre-stretch unit ensures stronger packing, while consuming least quantity of film
- Modular in construction
- Powered pre-stretch upto 300% stretch
- Flexible ramp location

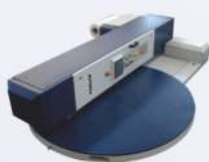


Model: INNOVA

PALLET STRETCH WRAPPER

Features:

- Variable speed AC motors
- Wrap tension control dancer
- Touch screen HMI
- Top reinforcement wrap
- Bottom reinforcement wrap
- Middle reinforcement wrap
- AC drives
- PLC
- Stretch % display
- Fully covered chain drive
- Fault alarm messages
- Life lubricated gear boxes
- Foldable mast
- Easy threading of stretch film
- Chain cut sensor
- Forklift lifting slots
- Powered pre-stretch upto 300% (1 Sq. m stretched to 4 Sq.m) using AC motor



Foldable Mast



User friendly pictorial touch screen

Applications: Textile Yarns like cotton, polyester, jute etc., castings, canned foods, bottle crates, fertilizers or grains in sacks & bags, pails & tins, carton boxes, ceramic items, tiles and many more.

FABRIC ROLL WRAPPER

Penguin **Fabric Roll machine** stretch wraps goods in rolls in spiral manner. Complete moisture proof packing can be achieved by suitable end caps. Machine can be supplied to wrap rolls up to 6m width.

Features:

- Fully automatic operation machine
- Return-on-investment is only a few months
- Outstanding efficiency and economy of the machine won us the prestigious "Pacmachine award"
- Saves 95% of electrical energy compared to shrink wrapping
- Powered pre-stretch upto 300% stretch



Applications: Fabric rolls, Grey cloth, Denim rolls, Carpets, Curtain cloths, Film, Paper, PP rolls etc.,

CARTON BOX WRAPPER

This **table-top model** is the supreme packaging system for small and medium sized objects packed in carton boxes. The machine is highly suitable for goods with light weight that can be manually loaded, turned over, wrapped and unloaded from the machine. It gives moisture and dust proof packing for delicate items like computers. It gives pilferage protection for items like garments. The Penguin "Powered Pre-Stretch Unit" greatly economizes the film consumption.

Features:

- Easy handling of light loads
- Provides bi-directional wrapping
- Powered pre-stretch upto 300% stretch
- All six sides are wrapped and protected



Applications: Apparels, garments, computer components, handicrafts, food products packed in carton boxes, cans, tins, drums etc.,

REEL WRAPPER

Penguin **Reel Wrapper** is ideal for axially wrapping a variety of products in reel form. A reel turning motor turns the reel inside the rotating turn table; while the film is wrapping, resulting in cocoon type packing, ensuring full protection to the reel. This two-in-one machine is suitable for Pallet packing of Paper bundles & for Stretch wrapping reels. Wide flexibility in turn table and reel speed offer various levels of production to reels, labour cost savings and economized film consumption.

Features:

- Ideal for materials produced in reel form with heavy weights & huge sizes like Paper, Newsprint, Non woven fabric, HDPE film rolls
- Instant change from reel wrapper to pallet wrapper
- Dust free, moisture free cocoon type packing
- Pit mounting of machine ensures fast / controlled product flow
- Optional pneumatic reel ejection system
- Ease of integrating into conveyor line
- Powered pre-stretch upto 300% stretch



Applications: Rolls of paper, film, PP fabric, Denim fabric, HDPE Film rolls and Foils.



MINI ROLL WRAPPER

Penguin **Mini Roll Wrapper** is specifically designed for packing Flexible packing FFS film (or) Retread Rubber manufactured in roll forms. Pre-stretched film is stretched across the face of the roll axially and wrapped. The longitudinal applied wraps are moved along the periphery with uniform overlap as the reel rotates continuously resulting in cocoon type packing. All kind of FFS film rolls can be packed in this machine.

Features:

- Easy to operate table-top model
- Perfect moisture & dust proof packing
- Powered pre-stretch upto 300% stretch



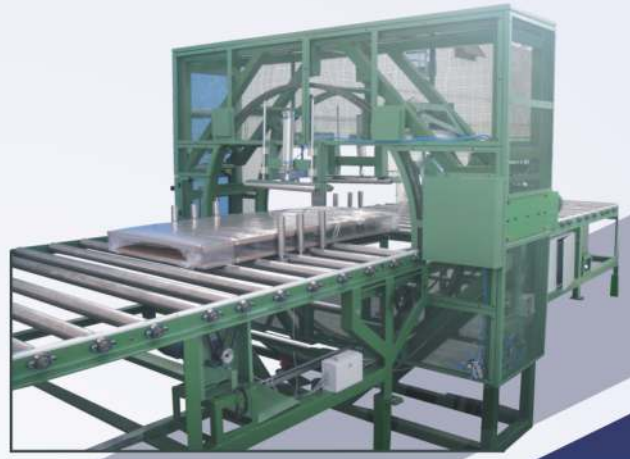
Applications: Retread rubber rolls, tyres, FFS foil rolls, flexible packages, coils and spools.

RING WRAPPER

Penguin **Horizontal Ring Wrapper** is an ideal packaging solution for packing lengthy products. The LLDPE stretch cling film is helically wrapped around the surface of the product, as it moves towards the delivery conveyor from the feed conveyor. Bundling of profiles, sections can be done in this machine.

Features:

- Machine can be supplied for any length and cross-section of any product in singles / bundles
- Overlap of film can be varied as desired



Applications: Aluminium profiles, Metallic shafts / tubes, rigid PVC pipes, Aluminium and other sections, doors, bundles of a number of cloth rolls etc.,

COIL WRAPPER

Penguin **Coil Wrapper** wraps the coil shaped products through the eye of the product in a spiral manner. The wrapping material is applied over the product using a pair of stretch rollers supported on a vertical ring which has a provision of passing the coil through eye horizontally.

Features:

- Enables torus shaped products to be wrapped through eye
- Same machine for a wide range of coils to be wrapped
- Suitable to use with stretch film roll and jute / paper roll / HDPE woven fabric
- Adjustable film overlap & cycle time



Applications: Coil of hoses / wires / cables, rings, wheels & rolls.

STRETCH UNIT

- Pre-stretch upto 300% (1 sq.m stretched to 4 sq.m)
- Robust
- Economy in film consumption
- State-of-the art machine
- Ergonomically designed
- Variable speed motors for the operation with electronic controllers, digital display of stretch percentage and film consumption



SPECIFICATIONS FOR STRETCH WRAPPING MACHINES

MODELS	UNITS	CLASSIC (For Pallets)	INNOVA (For Pallets)	REEL WRAPPER	FABRIC ROLL	COMPACT	MINI ROLL WRAPPER
CAPACITY:							
Pallets / Hour	Nos.	15 - 25	15 - 25	15 - 30	20 - 40	30 - 75	30 - 75
Pallet Size	mm	-----	1200 x 1200	----	N / A	600 x 600	N / A
Pallet Height	mm	2600	2600	2500	N / A	700	N / A
Weight / Pallet	Kgs	2000	2000	2000	400	100	100
Reel / Roll Diameter	mm	N / A	N / A	300-1000	600	N / A	600
Reel / Roll Width	mm	N / A	N / A	1200	1800	N / A	100-300
MACHINE: *							
TURN TABLE							
Diameter	mm	1500	1650	1600	N / A	900	700
Height (above GL)	mm	+80	+80	-540	+350	+750	+750
Speed	rpm	1-10	1-10	1-10	50m/min	20	20
Max. Stretch	%	300	300	300	300	300	300
Installed Power	kW	1.5	1.5	1.9	1.5	1.1	1.1
Power Supply		----- 220V, Single Phase, 50 Hz -----					
FILM DETAILS:							
Material		----- LLDPE Stretch Film -----					
Film Width	mm	----- 250 to 500 -----					
Film Thickness - Range	μ	12 - 35	12 - 35	12 - 35	12 - 35	12 - 35	12 - 35
Film Thickness - Used	μ	23	23	30	23	23	23
Core Diameter	mm	76	76	76	76	76	76
Max. Film Dia.	mm	250	250	250	250	250	250

N / A - Not Applicable

Model: COIL WRAPPER

CAPACITY:	
Inner diameter	Min. 300mm to Max. 380mm
Outer diameter	Min. 380mm to Max. 750mm
Height	Min. 150mm to Max. 500mm
Weight	Min. 50kg to Max. 300kg
MACHINE: *	
Conveyor height	1030 mm
Max. ring speed	50 rpm
Max. speed of taper roller	21 rpm
Max. speed of conveyor roller	75 rpm
Linear speed of conveyor	21 m / min.
Power requirement	440V, 3 Phase, 50 Hz
Installed power	6.0 kW / 8.0 HP
WOVEN FABRIC DETAIL:	
Material	HDPE woven fabric in roll form
Woven fabric width	80mm or 100mm
Core diameter	76 mm
Max. woven fabric O.D	600 mm
Bopp tape to be pasted on the circumference:	
No. of revolutions	1 to 3

Model: RING WRAPPER

CAPACITY:		MACHINE: *		FILM DETAILS:	
Output	50 to 200 meters / hour	Ring diameter	600 / 1000 / 1500 mm	Number of rolls	2
Min. Packing size	250 x 60 mm	Ring speed	35 rpm (max.)	Material	LLDPE Stretch film
Max. Packing size	650 x 250 mm	Max. Stretch	255 % (Fixed)	Film width	250 mm
Packing length	3m (or) 6m (or) longer	Installed power	2 kW	Film thickness	23 μ
—	—	Power supply	415V, Three Phase, 50 Hz	Core diameter	76 mm
—	—	—	—	Max. Film diameter	200 mm

* We also offer custom built machines to suit your product requirements.

Manufactured by



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