



PENGUIN

Stretch Wrapping Machines

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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 35-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.

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.



PALLET STRETCH WRAPPER

Model: CLASSIC (DC Drive & DC Motors)

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.

Salient 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 (AC Drive & AC Motors)

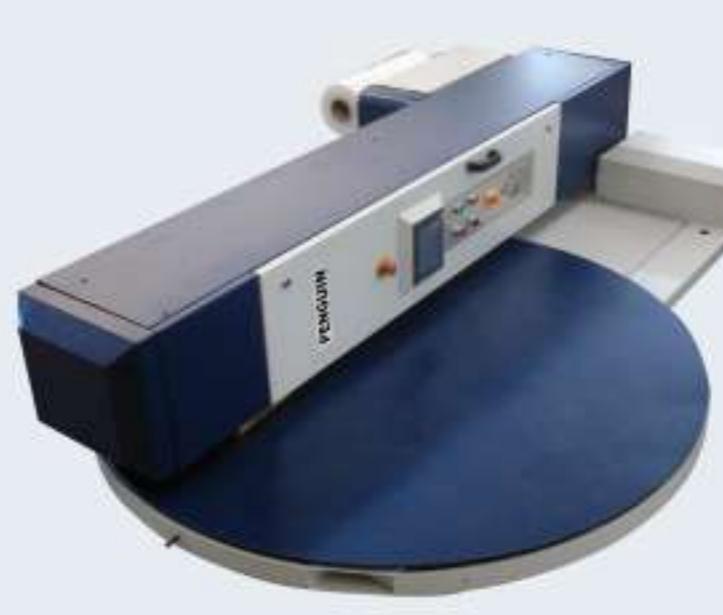
Salient Features:

<ul style="list-style-type: none"> ➤ Variable speed AC motors ➤ Wrap tension control dancer ➤ Touch screen HMI ➤ Top reinforcement wrap ➤ Bottom reinforcement wrap ➤ Middle reinforcement wrap ➤ AC drives ➤ Foldable mast 	<ul style="list-style-type: none"> ➤ Stretch % display ➤ Fully covered chain drive ➤ Fault alarm messages ➤ Life lubricated gear boxes ➤ Easy threading of stretch film ➤ Chain cut sensor ➤ Forklift lifting sensors ➤ PLC
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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.



Easy & quick threading of stretch film



Foldable mast



AC Drives



Leg crush sensor



User friendly pictorial touch screen



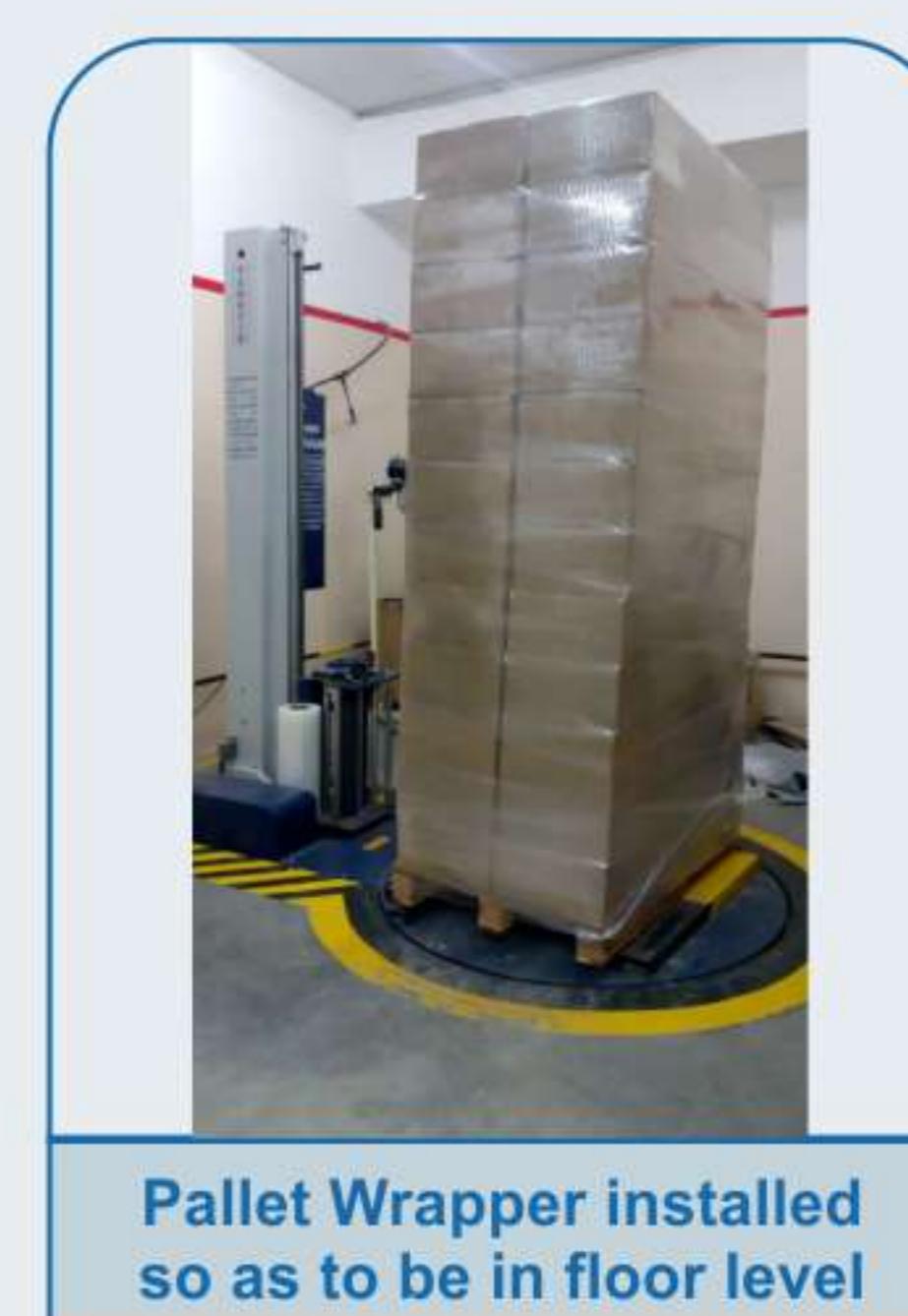
Pallet Wrapper - 3.2 meter Turn table



Pallet Wrapper - 4 meter Mast



Pallet Wrapper with Motorized Top Platen



Pallet Wrapper installed so as to be in floor level



Specifications

INNOVA / CLASSIC

CAPACITY:

Production speed	: 15 - 25 Pallets / hour
Pallet size	: 1200 x 1200 mm
Pallet height	: 2600 mm
Max. weight / pallet	: 2000 kg

MACHINE: *

Turn table diameter	: 1650 mm (Innova) 1500 mm (Classic)
Turn table height	: 80 mm
Turn table speed	: 1-10 rpm
Max. powered stretch	: 300%
Installed power	: 1.5 kW
Power supply	: 220V, Single phase, 50 Hz

FILM DETAILS:

Material	: LLDPE Stretch film
Film width	: 250 - 500 mm
Film thickness-Range:	12 - 50 μ
Film thickness-Used	: 23 / 29 μ
Core diameter	: 76 mm
Max. Film diameter	: 250 mm

FABRIC ROLL WRAPPER



Penguin Stretch Wrapping Machine, **Model: FABRIC ROLL** is an universal machine. It is used for stretch wrapping the rolls like fabric rolls, denim rolls, carpets, films, paper rolls etc,. It spirally wraps the long rolls using 500mm width stretch film. Complete moisture proof packing can be achieved by suitable end caps. Machine can be supplied to wrap rolls up to 6m width.



Fabric roll wrapper for
4.0m width fabric rolls

SWM with DC Motor & DC Drive



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

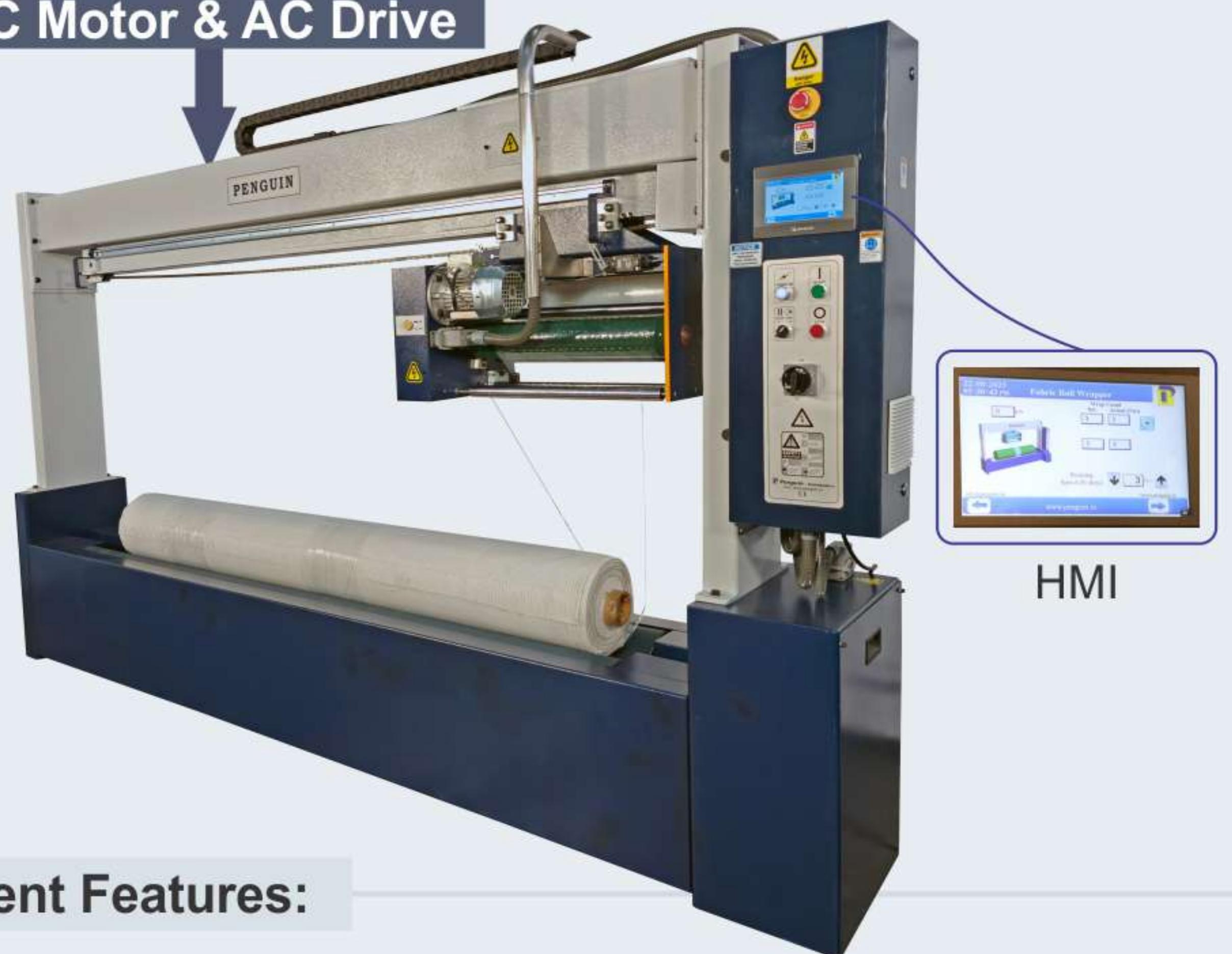


AWARD WINNER

Automatic Roller Conveyor System for transporting rolls from inspection machines to packing machines



AC Motor & AC Drive



HMI

Salient Features:

- Return-of-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
- Modular in construction



Specifications

CAPACITY:

Rolls / Hour	: 20 - 40 Nos.
Weight / Roll (max.)	: 400 kg.
Weight / Roll (min.)	: 20 kg.
Roll diameter (max.)	: 600 mm
Roll width (Standard model)	: 2200 mm
Optional Extra	: Roll width from 2300 mm to 3800 mm

MACHINE: *

Rubberized roll	
Height (above GL)	: 800 mm
Speed	: 50 m / min.
Max. Stretch	: 300 %
Installed power	: 1.5 kW
Power supply	: 220V, Single Phase, 50 Hz
Standard machine - 3nos.	: DC motors & DC drives
Optional extra	: AC motors & AC drives

FILM DETAILS:

Material	: LLDPE Stretch film
Film width	: 250 - 500 mm
Film thickness-Range	: 12 - 50 μ
Film thickness-Used	: 23 / 29 μ
Core diameter	: 76 mm
Max. Film diameter	: 250 mm
Nett film Weight of 500 mm width roll	: 15 kg / roll
250 mm width roll	: 5 kg / roll

REEL WRAPPER

Penguin **Pallet cum 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 a 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 offers various levels of production to reels, labour cost savings and economized film consumption.

Salient Features:

- Ideal for materials produced in reel form with heavy weights & huge sizes like Paper, Newsprint, Non woven fabric, HDPE Film roll
- 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 lines
- Powered pre-stretch upto 300% stretch

Applications: Rolls of paper, film, PP fabric, Denim fabric, HDPE Film roll and foils.



Specifications

CAPACITY:

Reels / Hour	: 15 - 30
Pallet size	: 1200 x 1200 mm
Pallet height	: 2500 mm
Weight / Reel	: 2000 kg
Reel diameter	: 300 - 1000 mm
Reel width	: 1200 mm

MACHINE: *

TURN TABLE	
Diameter	: 1600 mm
Height (below GL)	: 540 mm
Speed	: 1 - 10 rpm
Max. Stretch	: 300 %
Installed power	: 1.9 kW
Power supply	: 220V, Single Phase, 50 Hz

FILM DETAILS:

Material	: LLDPE Stretch film
Film width	: 250 - 500 mm
Film thickness-Range	: 12 - 50 μ
Film thickness-Used	: 23 / 29 μ
Core diameter	: 76 mm
Max. Film diameter	: 250 mm

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 garments. The Penguin "Powered Pre-Stretch Unit" greatly economized the film consumption.



Salient 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.,

Specifications

CAPACITY:

Boxes / Hour : 30 - 75 Nos
Box size : 600 x 600 mm
Box height : 700 mm
Weight / Box (max.) : 100 kg

MACHINE: *

TURN TABLE
Diameter : 900 mm
Height (above GL) : 750 mm
Speed : 20 rpm
Max. Stretch : 300 %
Installed power : 0.75 kW
Power supply : 220V, Single Phase, 50 Hz

FILM DETAILS:

Material : LLDPE Stretch film
Film width : 250 - 500 mm
Film thickness-Range: 12 - 50 μ
Film thickness-Used : 23 / 29 μ
Core diameter : 76 mm
Max. Film diameter : 250 mm

MINI ROLL WRAPPER

Penguin **Mini Roll Wrapper** is specifically designed for packing Flexible packing FFS Film rolls (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.

Salient Features:

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

Applications:

Retread rubber rolls, mini paper rolls, tyres, FFS foil rolls, flexible packages, coils and spools.



Specifications

CAPACITY:

Rolls / Hour : 30 - 75Nos.
Weight / Roll (max.) : 200 kg.
Roll diameter (max.) : 200 - 700 mm
Roll width : 60 - 500 mm

MACHINE: *

TURN TABLE
Diameter : 965 mm
Height : 785 mm
Speed : 28 rpm
Max. Stretch : 300 %
Installed power : 1.1 kW
Power supply : 230V, Single Phase, 50 Hz

FILM DETAILS:

Material : LLDPE Stretch film
Film width : 500 mm
Film thickness-Range: 12 - 50 μ
Film thickness-Used : 23 / 29 μ
Core diameter : 76 mm
Max. Film diameter : 250 mm

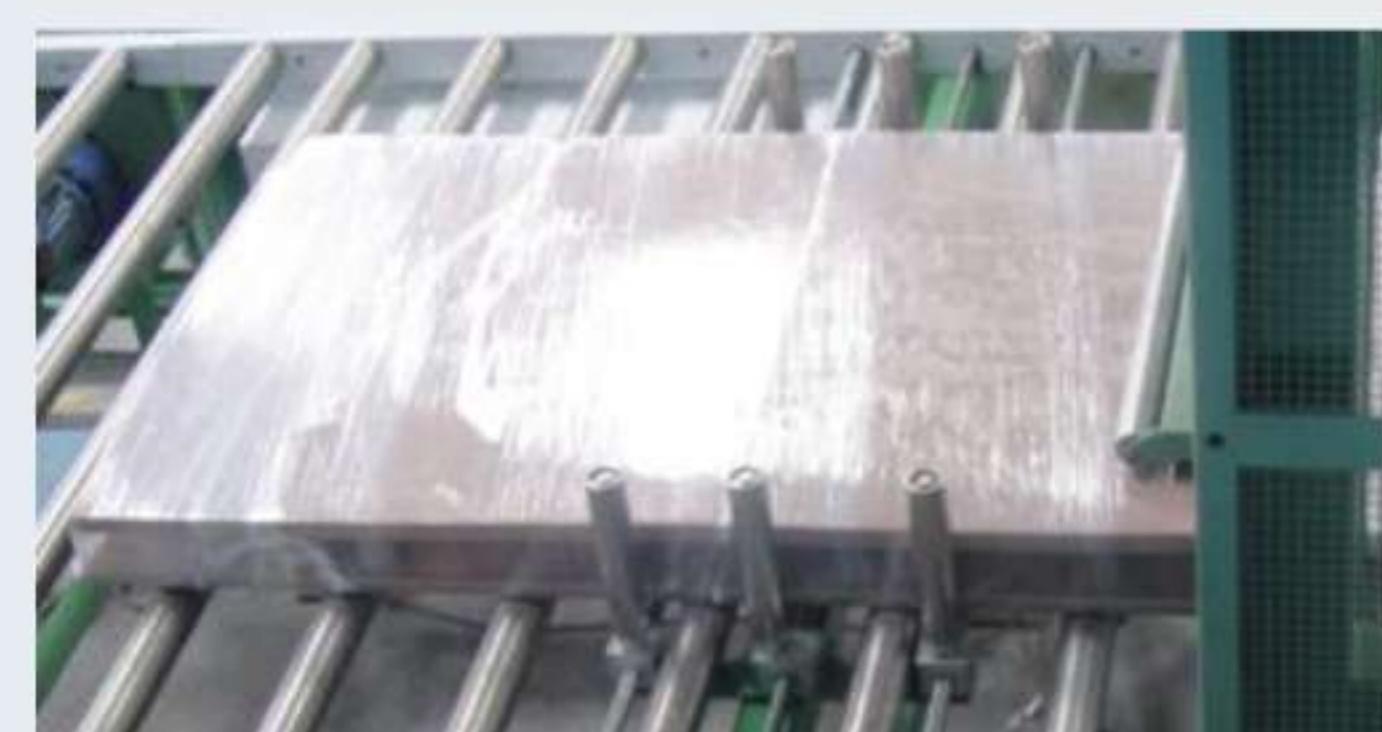
RING WRAPPER

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.

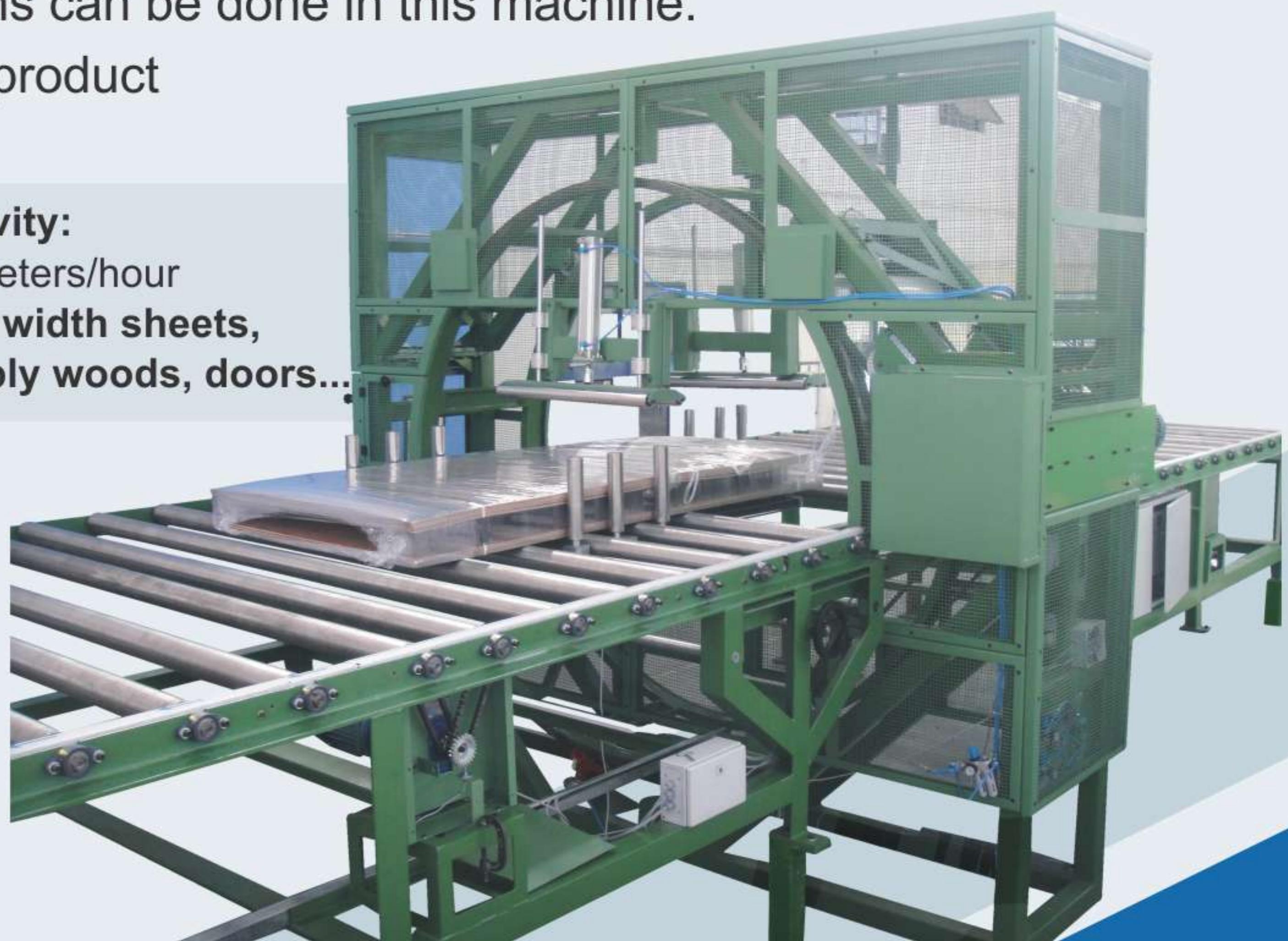
- Machine supplied for any length and cross-section of any product in singles / bundles
- Overlap of film can be varied as desired

Applications:

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



Productivity:
50-500 meters/hour
For wide width sheets, boards, ply woods, doors...



Specifications

CAPACITY:

Min. packing size : 250 x 60 mm
Max. packing size : 650 x 250 mm
Packing length : 3m (or) 6m (or) longer

MACHINE: *

Ring diameter : 600 / 1000 / 1500 mm
Ring speed : 35 rpm (max.)
Max. stretch : 255% (Fixed)
Installed power : Depends on size
Power supply : 415V, Three phase, 50 Hz

FILM DETAILS:

Material : LLDPE Stretch film
Film width : 250 - 500 mm
Film thickness-Range: 12 - 50 μ
Film thickness-Used : 23 / 29 μ
Core diameter : 76 mm
Max. Film diameter : 250 mm

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 stretch rollers supported on a vertical ring which has a provision of passing the coil through eye horizontally.

Salient Features:

- Enables torus shaped products to be wrapped through eye
- A wide range of coil sizes can be wrapped in the same machine
- Human Machine Interface
- Suitable for use with stretch film and HDPE Woven fabric
- Adjustable film overlap
- Cycle time adjustable
- Indigenously made



Specifications

CAPACITY:

Inner diameter (mm) : Max. 600; Min. 400
 Outer diameter (mm): Max. 900; Min. 600
 Height (mm) : Max. 350; Min. 200
 Weight : Max. 150 kg

MACHINE: *

Table height : 960 mm
 Max. ring speed : 70 rpm
 Installed power : 3.0 kW / 4.0 HP
 Power supply : 440V, Three phase, 50Hz

FILM DETAILS:

Material : LLDPE Stretch film
 Film width : 100 mm
 Film thickness : 23 - 29 μ
 Core diameter : 25.4 mm
 Max. Film diameter : 250 mm
 Number of packing rolls : 2 (one for stretch film roll; one for HDPE Woven fabric)

CARTON BOX STRAPPING



Speciality!

NO Clutch
Belt
Chain

Specifications

Strap width : 5 to 15.5mm
 Strap thickness : 0.5 to 0.7 mm
 Strap spool coil Ø : 200 mm
 Strap spool width : 190-200 mm
 Speed : 1m/s for feeding
 1m/s for reversing
 Tape length : 1200 m
 Machine tension : 10 N - 500 N
 Power supply : 220V, 50Hz,
 Single phase
 Power consumption: 0.2 kW
 Sound level : 75 dB
 Machine weight : 46 kg (Net)

CARTON BOX TAPING



- Optional: 3" Tape head
- Available with Flap folder model
- Light duty & Heavy duty machines available
- Side belt drive

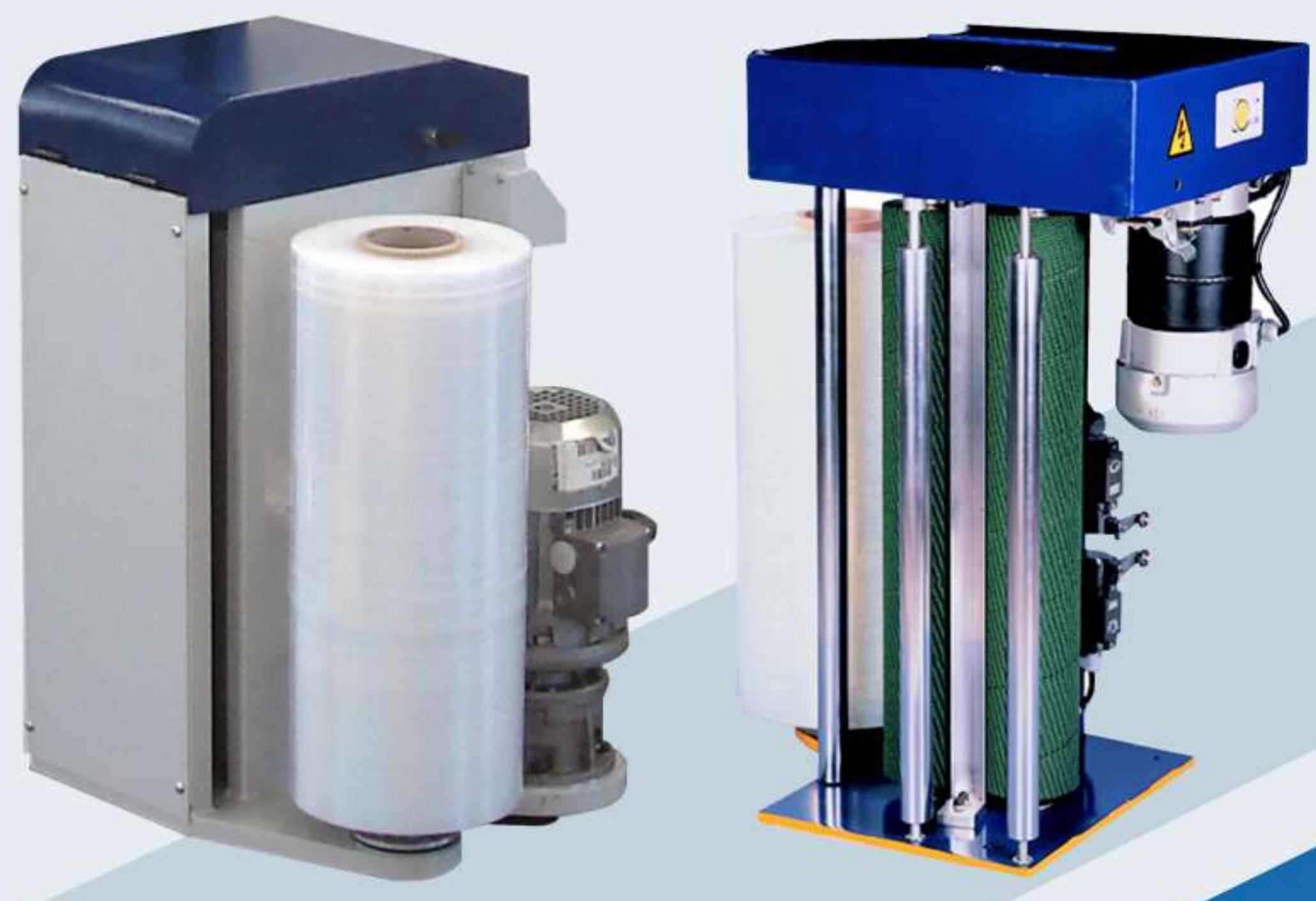
Model: PXC-103SD

Specifications

Tape width : 36mm (1.5") or 50mm (2")
 Speed : 23 m/min.
 Carton dimensions : (L) 120mm to ∞
 (W) 100 to 500mm
 (H) 120 to 500mm
 Power supply : 220V, 50Hz, Single phase
 Power consumption : 0.45 kW
 Sound level : 60 dB
 Machine weight : 160 kg

POWERED PRE-STRETCH UNIT

- Pre-stretch upto 300% (1sq.m stretched to 4sq.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



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Joint Venture of MACDUE S.R.L., Italy &
PENGUIN ENGINEERS, India.

An initiative by Penguin to bring world class technology to India for the manufacture of **SHRINK WRAPPING MACHINES**.



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PENGUIN ENGINEERS PVT. LTD.

A sister company of Penguin Engineers, dedicated to the manufacturing of machinery for the rubber hose industry.



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