Penguin Engineers (P) Ltd

Make your

Hose the Best &
Lead the Rest

with

PENGUIN

- Braiding
- Knitting
- Wrap / Unwrap

Leader in Hose Machines

Productivity & Reliability for Hose Industry

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ORBITAL BRAIDER

ROBiT™ PENGUIN

ROBiT - "Rotary Braider Intelligent Technology"

Penguin Orbital Braiders, ROBiT is Engineered and Precision built to deliver reliable performance for High speed braiding of hydraulic hoses, Cables and similar material that are to be braided with high precision. The rotary path of the carriers enable high speed operation and reliability. The contra rotating sets of carriers carry wire bobbins with precision tensioning mechanism. The strands from the outer carriers are displaced by suitable linkage mechanism. This eliminates wear of machine components. The braids formed are compacted to ensure a compact lay of braid on the hose.


Deck with carriers


Clutch spring


Tension spring


Sensor

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Key Features

- ***Higher Productivity:*** Delivers nearly three times the output of a maypole braider
- ***Enhanced Bobbin Capacity:*** Lower inertial forces enabling heavier wire bobbins
- ***Versatile Braiding Capability:*** Suitable for high-tensile brass-coated steel wire, stainless steel wire, and various yarns, including polyester, nylon and aramid.
- ***Larger Bobbin Capacity:*** Accommodates increased material volume and hence suitable for textile braiding
- ***Servo Drive System:*** Ensures controlled and smooth machine startups & running.
- ***Low-Maintenance Design:*** Engineered for reliability and minimal routine maintenance.
- ***Streamlined Data Management:*** HMI (Human Machine Interface) enables easy data input, output, and standardization.
- ***Haul-off:*** With endless segmented track, vertically reversible type, suitable for hoses of 10mm to 100mm diameter.
- Haul-off Jaw opening 150mm (6")
- Product gripping indicator
- Digital display for pitch, deck RPM and productivity information

Carrier

- Optimal rigid design
- Bobbin made of lightweight materials for increased efficiency & enhanced productivity
- Lightweight bobbins enhance productivity.

PLC / HMI Operation

- ***User-Friendly System:*** Simplified operation with advanced servo control.
- ***Enhanced Safety & Stability:*** High-performance motion controller ensures reliable operation.
- ***Smart Monitoring:*** Displays machine faults and maintenance alerts.
- ***Customizable Measurement Units:*** Supports both metric and imperial systems.
- ***Multilingual Interface:*** Provides global accessibility with multiple language options.

Wire bobbin

Haul-off

Outer carrier

Control panel

Push buttons

Deck motor

Human Machine Interface

ORBITAL BRAIDER

ROBIT PENGUIN

Number of carriers		16	20	24
Carrier speed (rpm)	Wire	90	80	70
	Yarn	100	90	75
Productivity	Wire	1.6 m/min	1.8 m/min	3.1 m/min
	Yarn	1.8 m/min	2.0 m/min	3.4 m/min
	Hose ID	8 mm	10 mm	12.7 mm
Bobbin capacity	Wire	13 kg / 2200 cc		
	Yarn	1.75 kg / 2200 cc		
Carrier tension		2 to 13.5 kg (Adjustable)		
Bobbin size		Ø140 x 160mm Traverse		
Operation panel	Touch screen panel - HMI 7"			
Local panel	Push button panel			
Material	High-tensile brass-coated steel wire, Stainless steel wire, & various yarns, including Polyester, Nylon and Aramid			
Power supply		415 v / 3 Phase		

Push button station with PLC


Rotary carrier

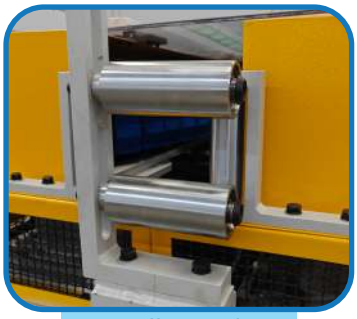

Exhaust Fan filter


Door safety limit switch

Push buttons


Inner carrier


Manual carrier loading


Haul-off entry & exit guide roller


Control panel

MAYPOLE BRAIDER

Penguin

Heavy Duty
Flech X

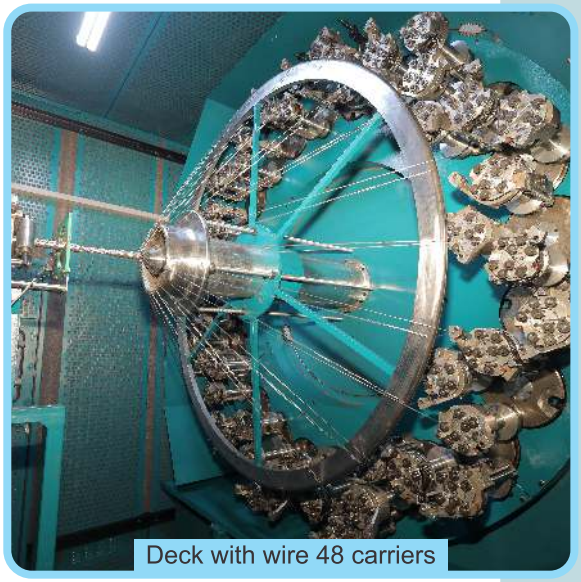
MAYPOLE WIRE BRAIDER

Hydraulic Hoses for Export / OEM

Penguin braiding machines are built with design and material perfected over years of experience in building a range of braiding machines & are engineered for precision braiding of high performance high pressure hoses. The modular design makes it possible to tailor the machine to suit the requirement of the customer.

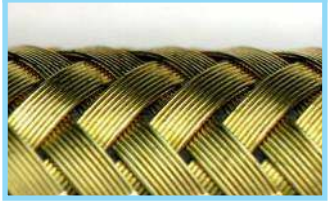
These Braiding machines are characterized by high productivity, simplicity and excellence in performance. The hoses manufactured by these machines are far superior to conventional hoses in strength, appearance and durability.

Penguin Braiding Machines are indigenously designed and Penguin is the only indigenous manufacturers of the heavy duty machines in India and one among the very few quality manufacturers of such machines globally.



Deck with wire 48 carriers

2 Over 2 Braiding



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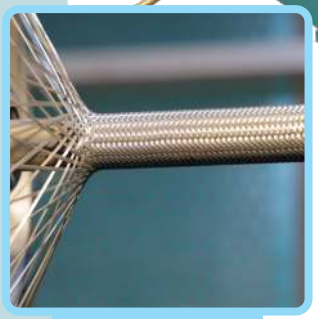
MAYPOLE BRAIDER

Hydraulic Hoses for Export / OEM

Heavy Duty Flech X



Braided structure

Haul-off

Human Machine Interface

Deck with 24 yarn carriers

- 100% carriers and bobbins included in the machine price and supplied along with machine
- Built-in Haul-off with separate geared motors for each jaw suitable for flexible and rigid hoses
- Latest Technology – No top plate braider
- Heavy duty horn gears for high pressure braiding – Tension from 3 to 13 kg / carrier
- Acoustic enclosure
- Sufficient suction fans for temperature control
- Large bobbin capacity upto 9 kg wire / bobbin and 1.25 kg yarn / bobbin – Reduced bobbin change time
- Carriers require minimum compensation
- Heavy duty deck plates
- Ergonomically designed doors and openings
- Smooth carrier transfer by “carrying type” horn gears
- Specially crafted heavy duty horn gear and smooth track
- All springs included in the supply of carriers; Clutch springs & Torsion springs
- Hose guides at each braiding point and Haul-off ends
- Suitable for braiding – High tensile brass coated steel wire, Stainless steel wire, Different yarns like Kevlar, Aramid, Nylon, Polyester (Coated and Uncoated)
- Upto 48 carrier braiders for maximum coverage upto 75mm braiding diameter
- Electronic gearing for "On the Go" pitch control
- Independent deck drive motor and control
- Complete Electronic drives, controls, PLC, Touch panel and Pitch control
- Start / Stop / Jog push buttons at convenient places
- Single wire cut, Bobbin empty, Full wire cut sensors included for efficient quality braiding
- Interlock switches for door openings

Penguin

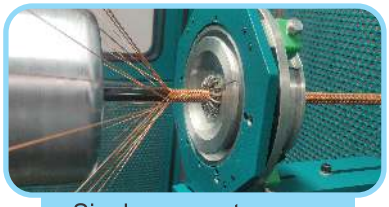
Number of carriers	24	36	48
Carrier Speed	27 rpm	18 rpm	13 rpm
Dimension of the machine - Excluding haul-off (L x B x H in mm)	Double deck 3765 x 2060 x 2200	Double deck 4825 x 2620 x 2690	Single deck 2850 x 3200 x 3700
Power requirement	16 kW	20 kW	16 kW
Power supply	415V / 3 Phase		
Carrier tension	3 to 13 kg		
Weight of wire / bobbin	9 kg (1600 cc)		
Weight of yarn / bobbin	1.25 kg (1600 cc)		
Machine configuration	Horizontal / Vertical		
Number of decks (Optional)	Single / Double / Triple		
Haul off	Chain drive with PU lugs 600mm long pulling / Capstan		
Type of braiding	Wire / Yarn		
Type of wire / yarn carrier	Heavy duty carrier with interchangeable shoes		
Design pitch	22 to 75 mm		
Horn gear diameter	270 mm (PCD)		
Height of heavy duty long shoe	118 mm		
Horn gear speed	160 rpm		
Wire bobbin size	125mm OD / 147mm Traverse		
Yarn bobbin size	125mm OD / 150mm Traverse		
Electronic control	PLC and digital drives		
Pitch control	Electronic pitch control (No change gears)		
Oil lubrication	Automatic force feeding recirculating type		

Wire Carriers

Yarn Carriers

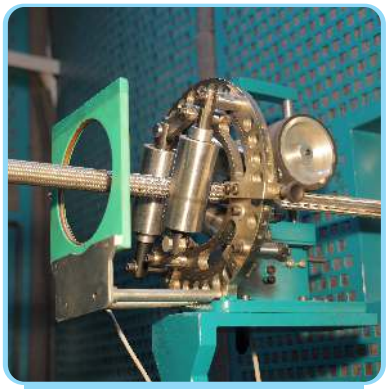
Wire 9 kg / 1600cc

Yarn 1.25kg / 1600cc



Single yarn cut sensor

Torsion springs from 3 to 13 kg



Adjustable guide rollers for different hose diameters & Single wire cut sensor

Bobbin empty sensor

- Heavy duty horn gear
- Braid path guiding track
- Heavy duty long guide shoe
- High tension heavy duty carrier (13 kg)
- Big bobbin with 9 kg. wire

HIGH SPEED WIRE WINDER

Electronic Brake System

Model: PHEW-LO12

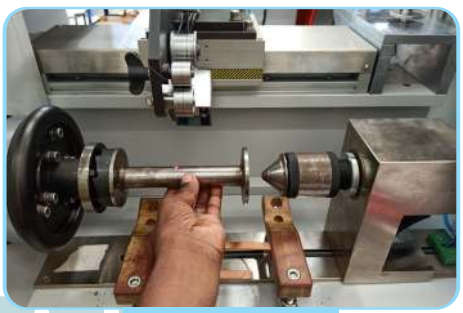
- High winding speed : 720m/min.
- Modular Let-off stations with electronic brake system
- Electronically controlled hysteresis brake Let off system
- Constant winding speed and controlled wire speed during start and stop
- Digital variable speed servo motor drive
- Zero backlash electronic gearing
- Ball screw traverse
- Beakless roller moving traverse
- Excellent catenary quality
- Digital tension control system
- Multilingual color touch screen - HMI

12 - Letoff Station with Electronic brakes

	Bobbin Winder	12 Let-Off Station
Main drive	9.0 kW / 415V	
Traverse drive	1.0 kW / 415V	
Ambient temperature of operation	+10°c to 35°c	+10°c to 35°c
Electrical connections	(400 V / 50 Hz) ±10%	(400 V / 50 Hz) ±10%
Power consumption	4.5 kW	
Pneumatic connection	6 bar	
Bobbin dimension		
Flange diameter	50 to 180 mm	
Length	50 to 220 mm	
Speed of drive spindle (Maximum)	2600 rpm	
Torque of drive spindle	20 Nm	
Pitch range	0.01 - 12 mm	
Wire diameter	0.15 - 0.6 mm	
Wire count	Max. 12 Ends (16 Optional)	
Wire strength		5 - 16N (0.15 - 0.6mm wire diameter: High tensile strength 1900 - 3050 N/mm2)
Max. speed of wire	Max. 12 m / s (0.3mm wire) Max. 8 m /s (0.4mm wire)	
Mass	Approx. 850 kg	Approx. 950 kg
Size (L x B x H) in mm	1160 x 1700 x 1860	2050 x 1250 x 1900
Noise level	less than 83 dB (A) BP 60 supplier bobbins	
Programmings	99 Programs	

Wound takeup bobbin

Human Machine Interface



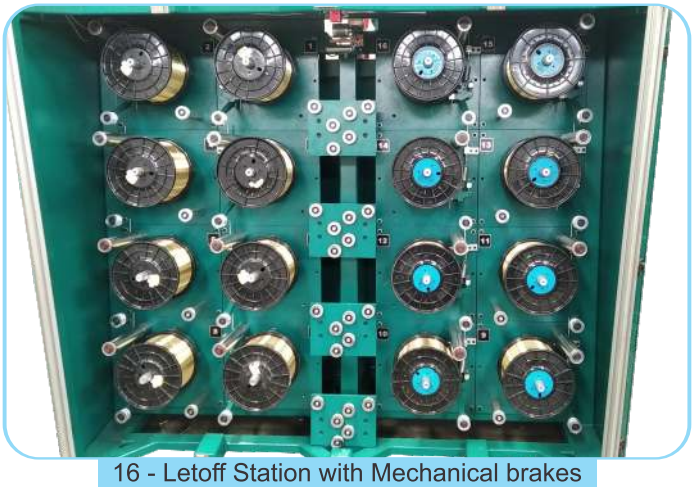
Takeup bobbin

WIRE WINDER

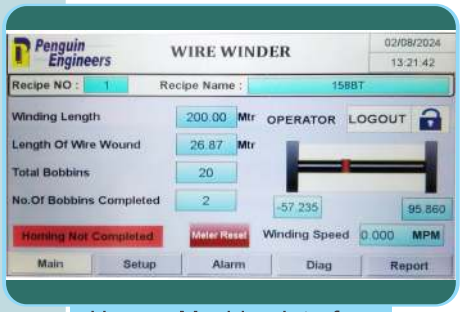
Mechanical Brake System

Push Button Station

- Traversing beak type with compensator
- Digital setting of traverse reversal
- On-the-fly traverse adjustment
- Sixteen let-off station with mechanical brakes
- Traverse parameter set on interface panel
- Digital length measurement
- Step speed slow down to stop speed
- Multiple program storage for many bobbins
- Fine quality winding
- Modular construction
- Constant wire speed upto 400 m / min.
- Servo motor; 6 Nm, 3000 RPM
- Servo Planetary gear box 5:1 ratio



16 - Letoff Station with Mechanical brakes

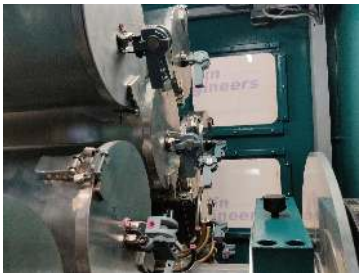


Human Machine Interface

Type	Traversing beak type
Bobbin size	180mm diameter and upto 240mm length
Spindle speed	1500 rpm max.
Pitch	Infinitely variable upto 5mm max. bandwidth
Drive	
Spindle	5.5 kW
Traverse	Geared servo motor; 6Nm; 3000 rpm
Dimensions (L x B x H)	2420 x 2040 x 2000mm

YARN SPIRALER

Penguin



- Pneumatic brake for instant stop
- Two doors with either side accessibility; Bobbins can be easily accessed
- Inlet and exit guide rollers
- 2 heads of 36 bobbins each
- PLC & Human Machine Interface for easy operation of the machine
- High torque motors to give a slow speed and high torque applications at very slow speed.
- The pitch is maintained with encoder
- The operation of the machine is controlled with PLC and the parameters can be input safely with an HMI.
- The safety elements in the machine includes, the pneumatic brake, safety relay at the panel, braking resistors and many other features.
- The pneumatic reservoirs act to store the extra needed air, even if the compressed air requirement fails at one point of time.
- The pneumatic brake setting, of when to apply and when NOT to apply, is easily set able in the HMI screen.
- The stop motion of the yarn sensor, 2 numbers for each deck, will assist the operator to stop the machine immediately, if there is any breakage of yarn.
- The tower lamp will assist the operator to show the working status of the machine.
- Ergonomic design of the machine with HMI in an movable design, for easy access for the operator.

Max. spiraling diameter	75 mm
Number of bobbins	Max. 36 x Double head
Weight of bobbin	1.5 kg
Bobbin volume	2300 cc
Speed of spiral head	310 rpm
Yarn static tension	30 - 150 g
Yarn dynamic tension	within ±10%
Center height of hose from floor	1150 ± 10 mm
Pneumatic pressure	6 bar
Power required	23.5 kW
Electric supply	440V, 3 Phase,50 Hz
Overall dimensions (L x B x H) in mm	3300 x 1550 x 2550

HOSE WRAP / UNWRAP SYSTEM

Model: WRAPMASTER 1000C
with LH Head assembly

- High speed wrapping / unwrapping of flexible hose upto 1000 rpm
- Controlled wrap tension upto 15 kg Concentric tape wrapping
- Precision wrap with accurate pitch
- Delicate handling of hoses
- User-friendly operator interface with 9” colour touch screen
- Accurate placement of brand tape
- Adjustable tape tension
- One tape core in operation and three in storage
- Reliable machine for continuous automatic operation
- Release solution collecting arrangement with stainless steel doors
- Electrical and pneumatic brakes for rapid stop
- Pneumatic door operating system
- Hose guide tubes for wrapping different sizes of hoses
- Automatic hydraulic head movement (optional)

Model: WRAPMASTER 1000C
with RH Head assembly

Model: WRAPMASTER 600RC

	Wrapmaster 1000C	Wrapmaster 600RC
Head drive	22 kW	
Spool drive	15 kW	
Caterpillar drive	3.3 kW	4 kW
Brand tape drive	1.5 kW	
Drives	Servo drive	
HMI	9" Color touch screen	
Operation	Fully automatic with PLC control	
Caterpillar	Positive drive belt with pressure distributing rollers	
Frame	Heavy duty steel structural frame	
Compressed air	7 kg/cm^2; 30 liters / hour	
Noise level	< 75 dB	
PRODUCTION DATA		
Mandrel system	Flexible mandrel	Rigid mandrel
Hose / Cable length	No restriction	
Type of hose	Wire / fabric reinforced	
Pintle bore diameter	upto 80 mm	140 mm
Output	upto 60 m / min.	upto 40 m / min.
TAPE SPOOL CAPACITY		
Core	Taper core with removable section	
Storage	One operational + Two storage	One operational + One storage
TAPE		
Core diameter	308 mm (12.1")	
Maximum tape spool diameter	740 mm (29.1")	
Tape width	50 mm to 100 mm	50 mm to 130 mm
Maximum tape length	1600 m (5,252 ft)	1500 m (4,921 ft)
Power consumption	<15 kW	
Floor space	1.4 x 3.0 m	1.6 x 3.5 m
Weight	3500 kg	5000 kg

Pneumatic sliding door

Touch Screen

Brand tape system

Wrapping head

TAPE WET & WINDER

Tape width	50 to 120 mm
Tape package diameter	1500 m
Tape outer diameter	750 mm

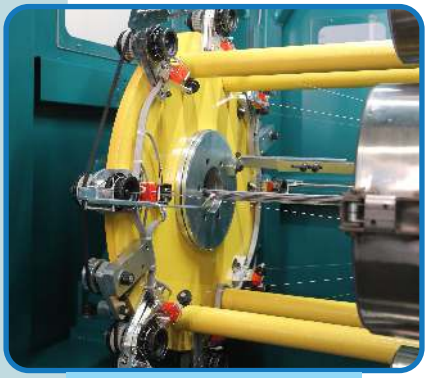
HOSE KNITTING

CONTINUOUS LINE PROCESS
- High Speed Online with Extruder

- Suitable for low-medium pressure knitted hose
- Minimum distortion from the manufacturing process
- Photo sensor stop motion for yarn cut
- Precision cams for efficient knitting
- Large yarn capacity - Big bobbins
- Variable speed drive
- Precision pulling caterpillar
- HMI - Multi function
- Rope pulley for interchangeable Knitting head
- Use of Economical and sturdy knitting needles
- Front door opening protected with safety switch
- Automatic PLC Control system
- Pneumatic caliper brake
- Dancer control
- Positive storage feeder
- Pulley block beam for head change
- Needle flap break sensor

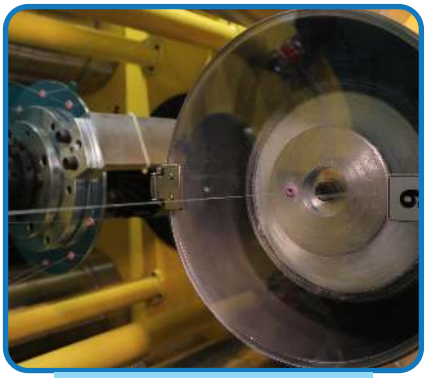
CATERPILLAR

- Sturdily built rigid structure with enclosures
- Contact length ~ 600mm, width 76 mm
- Linatex coated timing belt
- Control system with communication to the knitting machine drive
- Speed adjustment by potentiometer with digital display
- Encoder for measuring real product speed
- Hose guide assembly at both the ends of caterpillar



Positive storage feeder

Bobbin drums & Positive storage feeder



Yarn cone bobbins drum

Number of feeders	8
Yarn content / bobbin	5 kg max.
Maximum diameter of knitted hose	10 - 80 mm (other sizes optional)
Bobbin dimensions (Ø x L)	240 x 260 mm
Knitting module power	7.5 HP
Caterpillar power	2 HP
Interchangeable heads	Optional
Head speed	upto 400 rpm
Type of needle	Crank type
Line speed	Upto 20 m / min. (depending on pitch)
Knitted reinforcement	Circular knitting type, plain stitch
Yarn type	Dipped or un-dipped (Aramid, Polyester, Rayon)
Yarn package type	Cross-wound on cylindrical standard bobbins type
Rubber types	EPDM, NBR, NBR/PVC, CR, EACM, CSM, CPE .
Knitted hose types	Radiator hoses, fuel hoses and other hoses

Caterpillar

Human Machine Interface

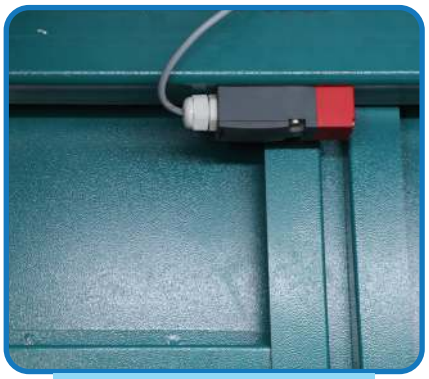

Pulley block beam


Positive storage feeder


Caterpillar exit guide roller


Pneumatic caliper brake


Control panel with PLC


Door safety limit switch

Push buttons


Slip ring

HOSE KNITTING

BATCH PROCESS

- Sturdily built tubular frame structure with enclosures
- Shaft mounted encoders and forced cooling fan for motors
- 2 to 4 feeders (bobbins) depending on size of the hose
- PLC & HMI touch screen for Electronic synchronisation of head & caterpillar motors for uniform pitch control
- Upto 3 kg different sizes of cone or cheese with upto 95 mm bore can be directly used
- Stainless Steel Yarn cover to avoid entanglement at high speed
- Knitting heads can be designed from 10 mm to 100 mm hose ID
- Photo sensor stop motion for yarn cut
- Use of Economical and sturdy knitting needles
- Interchangeable knitting heads
- Line speed, Shift production indications and on-the-go pitch change through HMI
- Roof mounting light tower indication
- Different yarns like Aramid, Kevlar, Polyester etc can be used

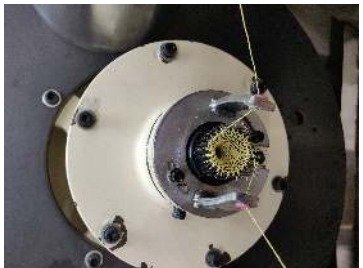
Number of feeders	2 to 4 (depending on size of the hose)
Inner diameter of cylinder	10 to 100 mm
Maximum diameter of knitted hose	100 mm
Yarn package core diameter	94 mm
Maximum diameter of yarn packing	210 mm
Maximum height of spool	260 mm
Knitting module power	2.25 kW; 3 Phase 440V
Caterpillar power	1.1 kW; 3 Phase 440V
Interchangeable heads	Optional
Type of stitch	Plain stitch
Type of needle	Groz-Beckert make straight needle
Number of needles	10 to 40
Line speed	1 to 3 m / min.
Electronic control	PLC & 4" HMI

CATERPILLAR

- 75 mm width timing belt with 6 mm thick linatex coating
- Bottom jaw adjustable by screw-rod for central line alignment
- Top jaw adjustable through stearing wheel
- Sturdy worm-reduction gearbox
- Two numbers of 90° gear boxes for jaw drive
- Tyre coupling for splined drive shaft
- Hose guide assembly at both the ends of caterpillar


Yarn cone storage

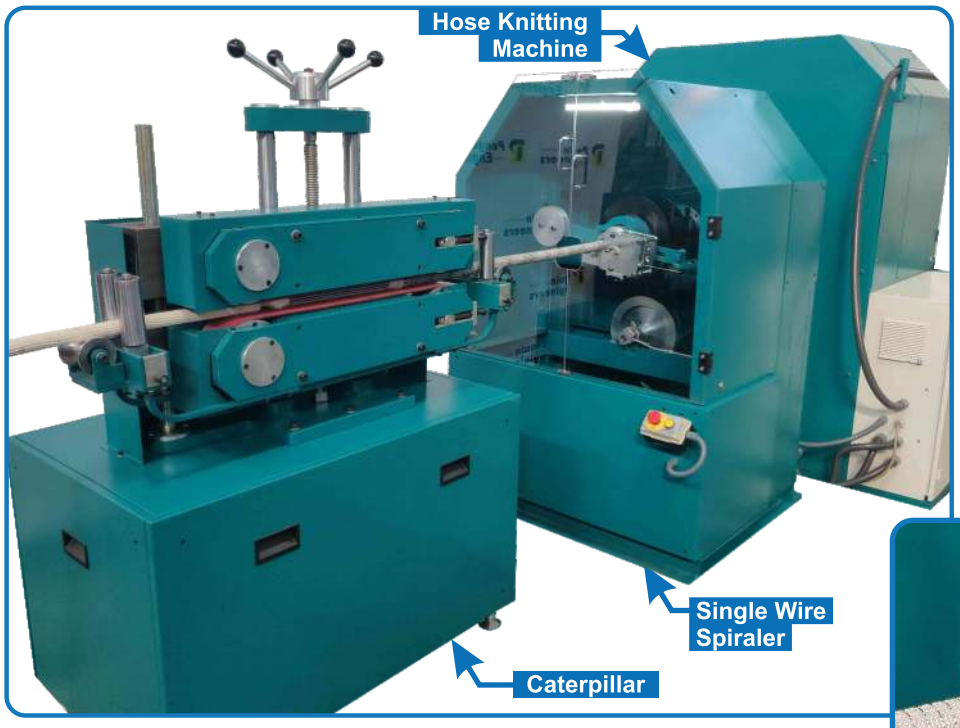

Knitted structure


Trick and cam

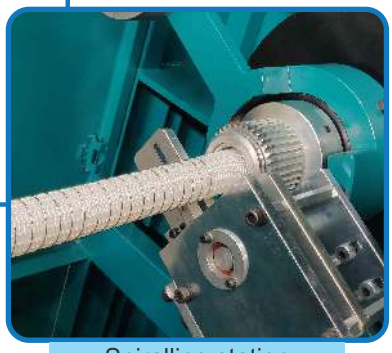

Tensioner unit

SINGLE WIRE SPIRALER

Penguin



Bobbin winding unit



Spiralling station

Human Machine Interface

Spiral wrapped hose

Spiral wire reinforced PVC and rubber hoses are used for conveying water, oil powder, and granules in the factory, agriculture, engineering, foodstuffs and sanitation lines. **Penguin Single Wire Spiral machine**, is designed for manufacturing such spiral wire wrapped hoses.

The single wire spiral machine is also used in industry for building hoses used in automobiles and aerospace applications. Spiral wire wrapped hoses prevent collapse of the hose due to negative pressure in the fluid line. The single wire spiral machine is typically designed to wrap single steel wires of 1mm to 2mm diameter, on hoses of 20mm to 100mm.

The wire is formed into a circular shape and applied on the tube with the desired “tightness”. The controlled wire forming and application process enables even mandrel less operation as in forming silicon hose and rubber hoses. The machine can also be used by the PVC hose industry to form the spiral hose ahead of the extruder for co extrusion of transparent wire reinforced hoses.

The wire is to be rewound on the machine bobbin for use in the machine. The machine is designed to operate at the end of line as in Production of PVC tubes or it can be mounted in line after the extruder/ knitting machine. The machine is controlled to run in synchronization with line speed to achieve the desired pitch.

Wire size	1 to 2mm
Hose diameter	20 to 100mm
Power	2.2 kW
Wrapping head speed	200 rev/ min. (max)

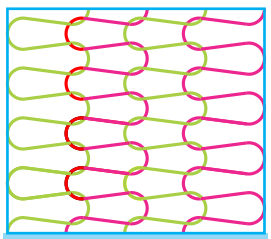
HOSE KNITTING

VERTICAL

Knitting head with bobbin drums

HMI & Push button station

Number of feeders	4	8
Yarn weight	2 kg max.	
Maximum diameter of knitted hose	10 - 37 mm	40 - 70 mm
Bobbin dimensions (Ø x L)	146 x 172mm	
Knitting module power	5 HP; 3.7 kW	
Capstan power	2 HP; 1.5 kW	
Head speed upto	600 rpm	500 rpm
Type of needle	Crank type	
Electronic Control	PLC & 11" HMI	
Line speed (depending on pitch)	upto 24 m / min.	upto 32 m / min.
Knitted reinforcement	Circular knitting type, plain stitch Yarn type Dipped or un-dipped (Aramid, Polyester, Rayon)	
Yarn package type	Cross-wound on cylindrical standard bobbins type	
Rubber types	EPDM, NBR, NBR/PVC, CR, EACM, CSM, CPE	
Knitted hose types	Radiator hoses, fuel hoses and other hoses	
Power supply	380 - 440V, Three phase, 50 Hz	



Structure of knitted hose

TAKE-UP / LET-OFF

Penguin


Let-off

FOR BRAIDERS

Drum diameter	1524 mm
Drum width at winding area	1310 mm
Diameter of center hole for clamping	67 mm
Line speed	0.5 - 4.0 m / min. (optionally you can give your requirement)
Max. pull on hose	500 N
Drives	
Main drum axis drive	Servo drive; 1.5 kW
Traverse drive	Servo drive; 0.8 kW
Control	PLC with operator interface for data entry
Pneumatics	
Lifting of drum	200mm dia. cylinder - 2nos.
Clamping	50mm dia. cylinder - 2nos.


Take-up (Servo Drive)

FOR EXTRUDERS

COIL WRAPPER

Coil wrapper with feeding & delivery conveyor

DIMENSIONS OF COIL TO PACK	
Inner diameter	Max. 600mm; Min. 400mm
Outer diameter	Max. 900mm; Min. 600mm
Height	Max. 350mm; Min. 200mm
Weight	Max. 150 kg
MACHINE	
Table height	960 mm
Max.ring speed	70 rpm
Power requirement	440V, Three phase, 50 hZ
Installed power	3.0 kW / 4.0 HP
FILM DETAILS	
Material	LLDPE Stretch film 23 - 30µ thick
Film width	100 mm
Core diameter	25.4 mm
Maximum film diameter	150 mm
Number of packing rolls	2 (one for stretch film roll; one for HDPE Woven fabric)

- 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 roll and HPDE Wovenfabric
- Adjustable film overlap
- Cycle time adjustable
- Indigenously made

HOSE CUTTER

Penguin

- Cutting machine for hydraulic and Non hydraulic hoses.
- Hoses from coils are automatically measured and cut.
- Machine is controlled by PLC provided with HMI which allows to setup different haul off speed.
- Machine can cut hoses of diameter (OD) upto 30mm.
- An adjustable hose unwinder with belt friction brake to accommodate hose reels which pays off the hose into the machine.
- Hose is haul off from unwinder to the machine is done by 4 drive rollers.
- Hose cutting take place by pnuematic bending.

Power	4.5 HP
Voltage	400 V
Phase	3 Phase
Blade diameter	250 mm
Speed of blade motor	2800 rpm
Dimension (L x B x H)	1700 x 1450 x 650 mm
Weight	330 kg
Control	PLC

CATERPILLAR

- Provision for adjusting center height according to requirement (Standard center height: 950mm)
- Max. opening of belt: 100 / 150mm
- Wide timing pulleys for trouble free operation
- Pneumatic gripping with adjustable gripping pressure

	Caterpillar - AC Control
Application	Extruder / Cutting / Printing / Winding
Output	upto 60 m / min.
Center height	950mm adjustable
Drive	AC Motor; 4 kW
Jaw opening	Pneumatic type
Dimensions (L x B x H) in mm	1410 x 790 x 1580

- Digital AC drive
- Adjustable inlet and outlet roller guides
- Adjustable lower belt height to accommodate different hose diameter
- Positive drive belt with pressure distribution rollers
- Caterpillar with long contact length and multiple spreader rollers to pull the hose by applying uniform pressure

CUSTOMERS

PENGUIN WORLDWIDE

Penguin Installations dot the globe spanning over 44 countries in Asia, Europe, Africa, South America, United States of America, South East Asia etc. A total of over 1500 installations are serving client needs to their satisfaction, supported by the extensive aftersales service network of the company that ensures minimum down time when the machines require service and upgrades.

The list of countries include:

FACTORY INAUGURATION

Penguin

PENGUIN ENGINEERS PVT. LTD. FACTORY WAS INAUGURATED & ORBITAL BRAIDING MACHINE "ROBIT" WAS LAUNCHED BY INDUSTRY LEADERS

Mr. Lothar Ignatzi - Former Managing Director, Mayer Braidtech GmBH, Germany inaugurated the Factory Building of Penguin Engineers (P) Ltd., on 3 Mar 2025

Penguin Engineers Pvt. Ltd. proudly announces the grand inauguration of its new, state-of-the-art manufacturing facility, at Pillaiappanpalayam, Annur, Coimbatore, graced by esteemed industry leaders.

This momentous occasion also marks the official launch of our latest breakthrough innovation – the ROBiT Orbital Braiding Machine.

Mr. Lothar Ignatzi - Former Managing Director, Mayer Braidtech GmBH, Germany launched "ROBIT" - Orbital Braiding Machine by PENGUIN & its Brochure

Felicitations by

***Mr. Lothar Ignatzi** - Former Managing Director, Mayer Braidtech GmBH, Germany*

***Mr. Fiorenzo Donetti** - Managing Director, Macdue s.r.l. Italy & Italindia Packplus (P) Ltd., India*

***Mr. Stefano Lorandi** - Managing Director, Lorandi Silos s.r.l. Italy & Lorandi Silos India (P) Ltd., India*

***Mr. A.V. Kate** - Managing Director, M/s. Minarva Techno India (P) Ltd., Pune*

Award for
Export Excellence by
EEPC India
Highest Growth in 2019-20

Penguin Engineers (P) Ltd.

Lorandi Silos India (P) Ltd.

Italindia Packplus (P) Ltd.

Penguin Engineers

Manufactured by

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