

SIGNODE OCTOPUS Fully Automatic Pallet Film Wrapping

with Dyna-Wrap Pre-stretch Film Saving System

Design, function and operation

The Signode Octopus is a fully automatic wrapping machine incorporating the latest technology designed to provide fast, efficient and economical wrapping of a wide range of pallet load sizes.

The reel of wrapping film is suspended from a ring, which revolves around the pallet and is raised and lowered according to the wrapping programme.

Throughout the wrapping cycle, the pallet remains stationary, facilitating

the wrapping of unstable and lightweight products. Additionally, there are no centrifugal forces to cause stress or strain on the load or the equipment.

As the ring can be accurately positioned in the vertical direction, wrapping can be started and finished at any height required. The Signode Octopus wraps down to within 60mm above the roller conveyor to ensure the finished package is tight, strong and secure.

Technical Data

Max. pallet diagonal (mm)

Octopus	F	TS	FTS
1600 B	1800	1600	1600
2100 B	2300	2100	2100
2800 S	2800	-	2800

B = Standard model with aluminum frame.

S = Heavy duty model with steel frame.

F = Frequency controller option for higher throughput.

TS = Optional top sheet pulling device.

FTS = Octopus fitted with both frequency controller and top sheet pulling device options.

Capacity 40 – 120 pallets/hour, depending on pallet height, machine size and type, wrapping programme and conveyor speed.

Max. pallet height 2400mm (on 500mm high conveyor).

Stretch Film Reel
Width: 500mm
Max. diameter: 300mm (260mm in model 1100)
Core diameter: 76mm
Max. core length: 515mm

Stretch Film Thickness 17 – 30µm

Top Sheet Film
Max. width: 1600, 2100, 2800mm
Max. diameter: 300mm

Max. power requirement 5.0 kW

Voltage 3 x 380 VAC/50 Hz, 3 x 400 VAC/50 Hz, 3 x 415 VAC/50 Hz

Control Voltage 24 V DC

Compressed Air 0.6 MPa, max. 9 l/cycle

Noise Level <76 dB (A) (without film)

Machine Dimensions

Model	L	B	C	D
1600 B	2790	2700	1260	3000
2100 B	3290	3230	1670	3500
2800 S	4270	3490	2070	4000

Transport Dimensions

Model	Length	Width	Height	Weight
1600 B	3300	2500	2750	1,500 kg
2100 B	3700	3000	2750	1,650 kg
2800 S	4800	3750	2860	3,950 kg

All dimensions in mm.

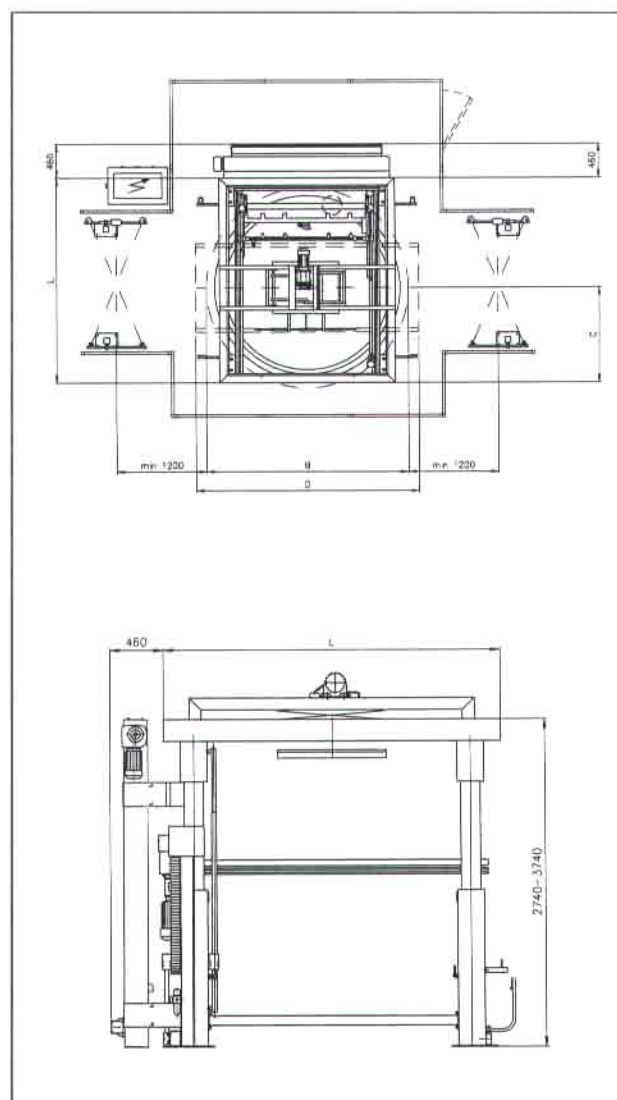
Options

Load stabiliser (supplied as standard on all top sheet models)

Top sheet dispenser Double top sheet dispenser

Reel change manipulator Automatic reel lift

Safety fence kit Safety light guarding



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Features and Benefits

Stationary pallet – allows high speed performance without stress or strain on the load or equipment.

Dyna-Wrap Pre-Stretch – combines maximum film economy with optimum holding force.

Film tail heat sealing – film tail end is securely attached to the load.

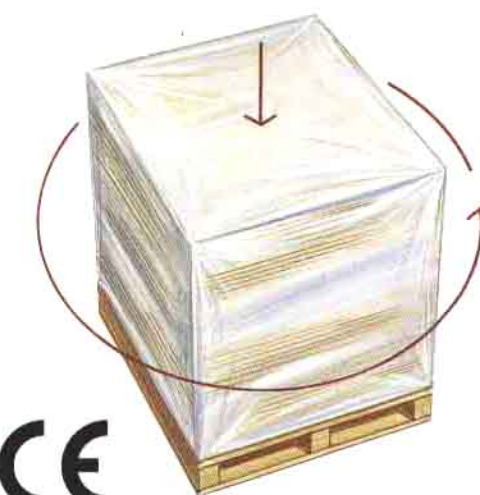
Telescopic portal frame design – Octopus is suitable for a wide range of pallet and conveyor heights and can be easily integrated into existing packaging systems.

Load stabiliser – ensures that load is always secure during wrapping cycle.

Polyurethane support rollers – installed to the stretchwrapping unit to ensure the machine is silent and smooth in operation.

Top sheet dispenser (optional) – provides splash – or dust proof protection to the pallet load.

Automatic reel lift (optional) – eliminates the manual handling of the top sheet film reel.



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Signode has a policy of continuous product development and reserves the right to alter specifications at any time without prior notice.

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SIGNODE[®]

STRETCHWRAP MACHINES

FULLY AUTOMATIC

CORRUGATED INDUSTRY

SIGNODE OCTOPUS High performance wrapping technology

with multi-pack size handling versatility



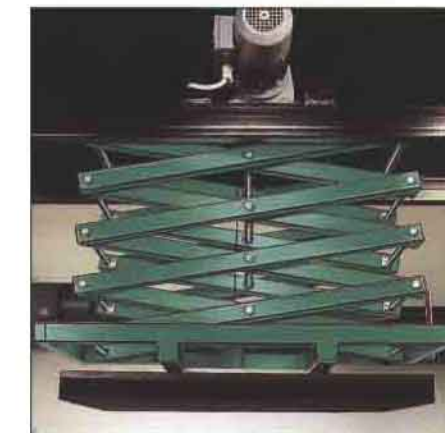
The Signode Octopus is designed to meet the needs of the corrugated industry, offering fast, efficient and economical wrapping to provide clean, attractive pallet loads. Wrapping with Octopus improves the image of your product as it arrives

clean and fresh, protected from damage, staining and water ingress. The Octopus incorporates the latest technology and can accommodate a wide range of pallet load sizes. Silent in operation and easily maintained, this versatile machine conforms with all safety regulations.



Programming Flexibility

A wide range of wrapping cycles can be easily programmed into the machine for maximum production flexibility and efficiency.



Load Stabiliser

The load stabiliser keeps the load firmly in place even when the machine is operating at high wrapping speeds. When a top sheet is used, the stabiliser is supplied with air jet bars on all four sides to ensure the top sheet is securely in place before completing the wrapping cycle.



Heat Sealing

The counter plate heat sealing device ensures the film end is consistently sealed with no tail, to provide a perfectly finished wrap.



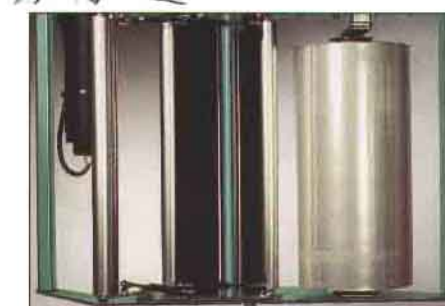
Optional Topsheet

An optional top sheet can be used when a splash- or dust proof package is required. The Signode Octopus automatic control system ensures the pallet is perfectly wrapped in accordance with the selected programme.



Telescopic Frame

With its telescopic aluminium frame, the Signode Octopus is suitable for various pallet and conveyor heights, enabling it to meet a wide range of customer requirements. For larger size pallets (up to 2800mm diagonal), Octopus is supplied with a steel frame.



Dyna-Wrap Pre-stretch

The film carriage features the very efficient Dyna-Wrap power pre-stretch system that pre-stretches film by up to 250%, significantly reducing the amount of film used and increasing the holding force. The carriage, with optional easy load feature, also ensures quick change over and reduces down time.