

Fully automatic turntable wrapper

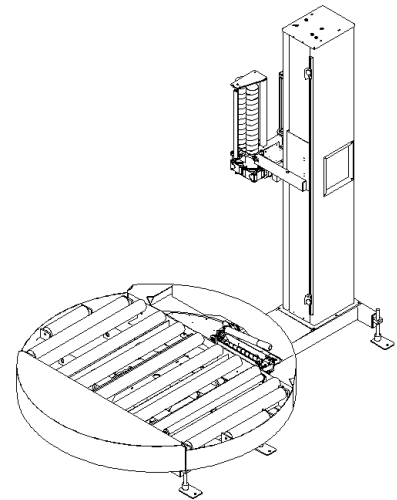
Model: J2000

- › Handles one of the thinnest film on the market
- › Stretches the film up to 350% in the individual winding phases
- › Operationally efficient, with up to 40 pallets per hour
- › Danish craftsmanship and design ensure the lowest TCO on the market
- › Reduces unnecessary workflows with user-friendly and flexible control
- › 24/7 support from the service center



Fully automatic turntable wrapper

Model: J2000



Construction

The machine tower is built over a strong, stable and robust steel construction, directly mounted on a base frame with full enclosure to minimise the risk of pinch hazards.

The turntable is directly powered between the gear motor. The turning motion is controlled by a frequency inverter, which allows variable speed and soft start/stop.

CONSTRUCTION

Capacity	40 pallets/hour
Pallet size	800 / 1000 / 1200 x 1200 mm (EU / UK pallet)
Machine weight	1400 kg
Dimensions	2200 x 2600 x h mm
Turntable diameter	1970 / 2200 mm
Minimum height	400 mm
Power supply	3 x 400 / 220 V / 50 Hz / N / PE (EU) 3 x 480 / 60 Hz + N + PE (US)
Max. distance from pallet to ISS	150 mm
Load	1500 kg
Pneumatic components	FESTO
Wrapping height	2200 mm
Speed	0-20 rpm
Integrated roller/chain/belt conveyor	
Electrical cabinet	W1100; D400; H2200 (mm)

Film

Handles all known standard film types. Empty film rolls can be easily replaced without the use of tools.

FILM

Film thickness	10-25 µm
Width (Film)	500 mm (optional 750 mm)
Diameter (Film core)	76 mm
Weight (Film roll)	approx. 17 kg

Film wrapping

All motors are frequency controlled, which gives complete freedom of adjustment over all machine movements.

In this way, the best conditions for film consumption and pallet stability are obtained regardless of the characteristics of the goods, since one is not limited by predetermined or fixed settings.

FILM WRAPPING

Pre-stretch	0-350%
Dual motor system	
Photo-electric cell for automatic height detection	
Full adjustment on pre-stretch, voltage, speed and wraps	
Dust and splash-proof film wrapping	

Welding module

The machine welds are carried out with an ISS welding module and approved for high-rise warehouses. The welding module is placed up against the conveyor that passes through the machine.

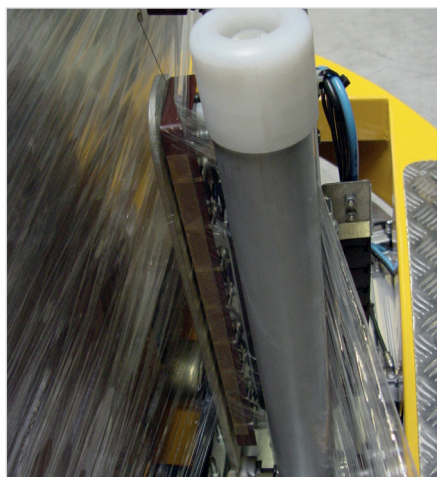
Welding takes place between a blade and a welding plate and does not affect the goods. The film is cut with a film cutter. The welding time and temperature can be set to ensure the optimal fusion of the film. After welding, the blade runs down, with the direction of travel, without damaging the seam.

LOAD STABILITY

High-rise warehouse approved welds
Reinforced assembly via roping
Full adjustment of temperature and time on welding



J2000 turntable wrapper integrated in system



ISS welding module



Film carriage

Control

The machine's intelligent film control makes it possible to gain 100% control over all parameters in the film wrapping phases. This is done via an operator panel or through signal exchange and applies to speed, film tension, film volume control and density of film overlay. It optimises film consumption and load safety on all types of pallets.

Status and error messages appear in plain text on the operator panel. Driving and positioning can be set manually.

CONTROL

Control	PLC Siemens – S7-1200
Motor	SEW
Frequency inverter	Siemens
Scanners and sensors	SICK
Siemens - KTP 700C Operator Panel	
User-defined programs	
Password protection	
Stop timings	1100 milliseconds

Energy supply

- › Net type: TN-S
- › ICC: 6 kA
- › Supply disconnection:
Main switch on cabinet
- › Power supply without options:
7,31 kW 8,61 kVA

Electrical cabinet protection

- › Rittal
- › Lock on door
- › Inside cabinet protected IP53
- › Equipotential bonding:
Yes, relevant internal components.

Emergency stop

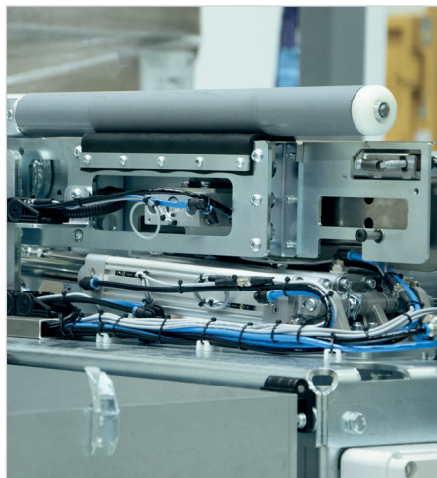
- › Cat: 1
- › Min. PL = d
- › SRP/CS cat: 3

AIR SUPPLY

Maximum work pressure	6 bar
Minimum work pressure	5 bar
air quality to	ISO 8573-1
Air flow max	600 L/h
Air consumption pr. Pallet	127 L -±40 L

Ambient condition

- › Type:
Normal industrial environment – indoor.
- › IP-class 54
- › Temperature:
+5°C minimum, +35°C maximum
- › Humidity:
30% minimum, 85% maximum
- › Explosions:
Not intended to be used in ATEX areas
- › Altitude:
Maximum 1000 m above sea level



Maintenance

Yearly ore for every 25.000 pallets full service with monthly preventive maintenance.

Safety related components must be controlled once a year.

Lifetime:

Approx 20 years if maintenance/service is done to instructions.

Safety related components must be controlled once a year.

Operator:

Skilled operator with training and normal physical and mental reaction capability.

Technician:

- > Skilled technician
- > Electrical technician

Options

We can customise the stretch wrapper with the following options:

OPTIONS

Extended pallet wrapping height above 2200 mm

Top sheet dispenser (splash/dustproof)

Top holding plate (can be adjusted to load)

Roping (two-sided reinforced wrapping)

Corner/edge protection

Pallet sizes as desired (1/4 pallets)

Galvanised/stainless steel finish

Cold/frost use

Extended control with conveyor systems/functional machines

Complete all-function conveyor system (rollers, chains and belts/drives)

Automatic film change.

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