Fully automatic
turntable wrapper

Model: J2000

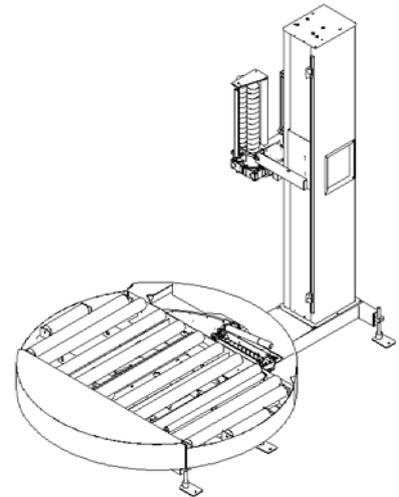### Sustainable packaging with 40-60% less plastic consumption

› Handles the thinnest film on the market at 10 μ

› Stretches the film up to 400% in the individual winding phases

› Operationally efficient, with up 30-50 pallets per hour

› Danish craftsmanship and design ensure the lowest TCO on the market

› Reduces unnecessary workflows with user-friendly and flexible management

› 24/7 support from the service center

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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 and the turntable bearing, diameter 1050 mm. Lubrication over pipes, is easily accessible and maintenance-friendly.

The turning motion is controlled by a frequency inverter, which allows variable speed and soft start/stop.

CONSTRUCTION	
Capacity	30-50 pallets/hour
Pallet size	Can be customised for all types (EU/UK pallet)
Machine weight	1400 kg
Dimensions	2200 x 3000 x h mm
Turntable diameter	1600 / 1850 / 2050 mm
Power supply	3 x 400 / 220 V / 50 Hz /N / PE (EU) 3 x 480 / 60 Hz + N + PE (US)
Max. power supply	16A
Load	1500 kg
Power output	3 kW
Wrapping height	2400 mm (customisable)
Speed	0-20 rpm
Integrated roller/chain/belt conveyor	

Film

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

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

Film wrapping

All engines are frequency controlled, which gives complete freedom of adjustment over all machine movements and blades.
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	0-400%
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. But it can also be placed at the top of the swingarm depending on whether the wrapping end should be at the top or bottom of the pallet's cargo.
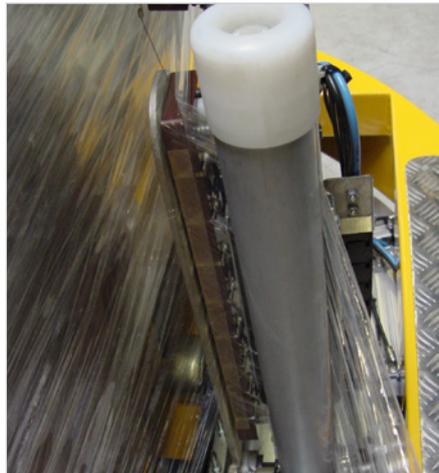
Welding takes place between a blade and a welding plate and does not affect the goods. The film is cut with a film cutter. The welding time and temperature can be set to ensure the optimal fusion of the film. After welding, the blade runs down, with the direction of travel, without damaging the seam.

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
Lenze frequency inverter	
SICK scanners and sensors	
RITTAL control cabinet	
Siemens - KTP 700C Operator Panel	
User-defined programs	
Integration with Scada, WMS/ERP	
Password protection	

Options

We can customise the stretch wrapper with the following options:

OPTIONS
Extended pallet wrapping height above 2400 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
Volume scanner (weight and size)
Extended control with conveyor systems/functional machines
Complete all-function conveyor system (rollers, chains and belts/drives)
Lifting/hoisting, directional change/cross transfer, turntable, pallet stacking, corner protection, automatic
Automatic film change, pallet centering/straightening, pallet magazines, transfer cars, AGV, up/down operation to/from floor with low conveyor height.

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