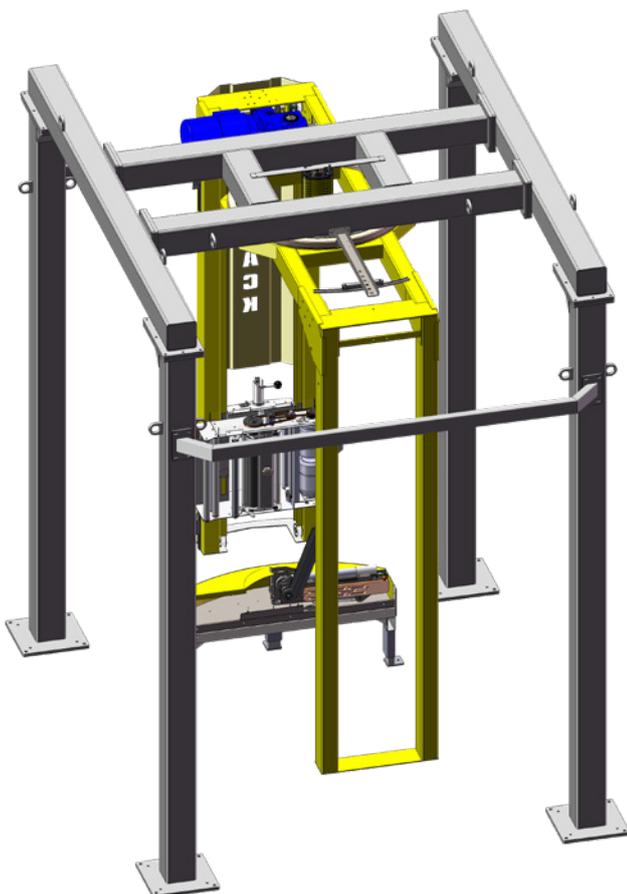


Fully automatic swingarm wrapper



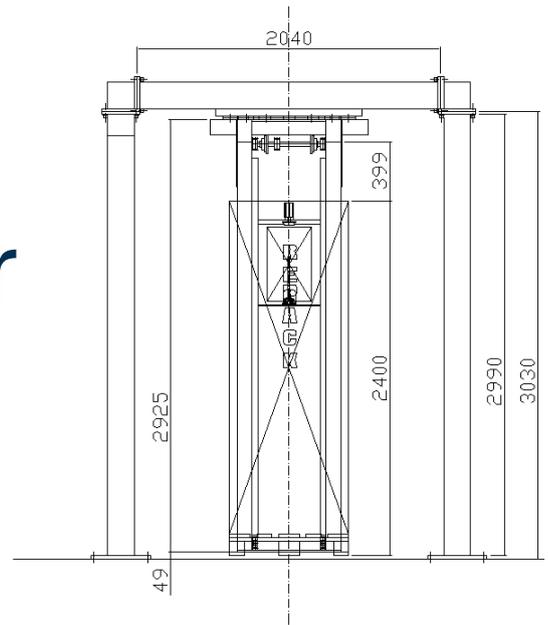
Model: S3000 ISS,
high capacity

**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 to 70 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.

Fully automatic swingarm wrapper

Model: S3000 ISS, high capacity



Construction

S3000 is a swingarm wrapper. This means that the pallet stands still during wrapping while the swingarm carries the film around the pallet. The machine consists of a highly robust 4-legged steel profile tube frame, which can be adapted to different types of goods. The construction makes it easy to integrate into existing and new lines.

The swingarm is mounted in a 1050 mm diameter gearwheel ball bearing, which ensures quiet and stable operation, and is powered by a maintenance-free drive wheel in plastic. The drive is controlled by a frequency inverter that ensures soft start/stop acceleration as well as the possibility of varying speeds on the swingarm itself.

CONSTRUCTION

Capacity	80-115 pallets/hour (twin = +140 pallets/hour)
Pallet size	Can be customised for all types (EU/UK pallet)
Machine weight	2800 kg
Dimensions	2200 x 3000 x h mm (Customisable pallet/freight sizes)
Power supply	3 x 400 / 220 V / 50 Hz / N / PE (EU) 3 x 480 / 60 Hz + N + PE (US)
Max. power supply	CEE 16A
Power output	8 kW
Wrapping height	2400 mm (customisable)
Speed	10-40 rpm

Film

Handles all known standard film types. When the film roll is empty, it can be replaced easily 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 (customisable)

Film wrapping

All engines are frequency controlled, which gives complete freedom of adjustment over every machine movement and all 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 film pre-stretch, film tension, overlay and wrappings	
Dust and splash-proof film wrapping	

Welding module

The machine welds are carried out with an ISS welding module and are 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
Eliminates loose 'film tails'
Reinforced assembly via roping
Full adjustment of temperature and time on welding



ISS welding module



Swingarm and wheel ball bearing



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 film tension speed, 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 in the operator panel. Manual operation of all functions via HMI.

CONTROL

Control/PLC	Siemens – S7
Dual	SEW
Frequency inverter	Lenze, SEW; Siemens
Scanners and sensors	SICK, Schneider, Omron and P&F
Control cabinet	RITTAL, Eldon
Operator panel	Siemens - TP 700C
Programs	User-defined
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)
Other components such as Allen Bradley
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.
Integration with Scada, WMS/ERP

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