SEALING SYSTEM
INTELLIGENT PACKAGING SOLUTIONS

FULLY AUTOMATIC PALLETISER
IP-4 GREENLINE

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Sealing System's IP-4 Greenline palletiser is the most environmentally friendly and reliable palletiser on the market, developed for 24/7 operation with a focus on minimal maintenance. The IP-4 Greenline palletiser is the result of more than 40 years of experience and the supply of more than 1,200 palletisers around the world.

The IP 4 Greenline palletiser sets new standards for handling accuracy and operating costs. The main movements are controlled by servo motors to ensure minimal maintenance costs.

High-quality toothed belts ensure probably the best performance and reliability on the market, while maintaining a very low noise level. An inlet height of only 1,000 mm supports low-level palletising efficiency with up to 4 layers of pallets per min.
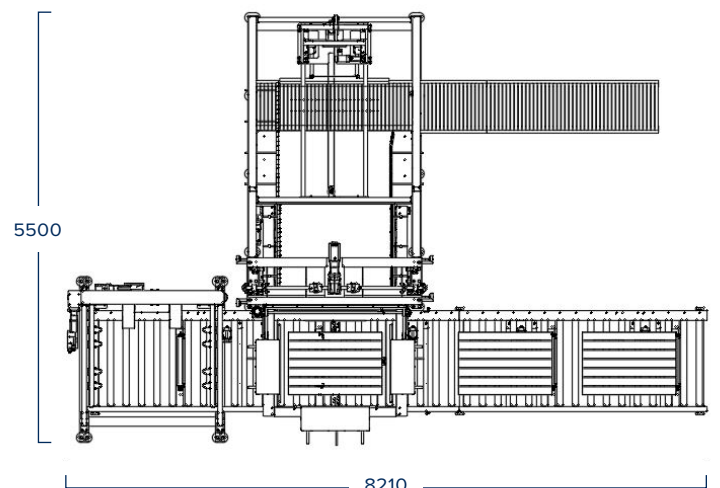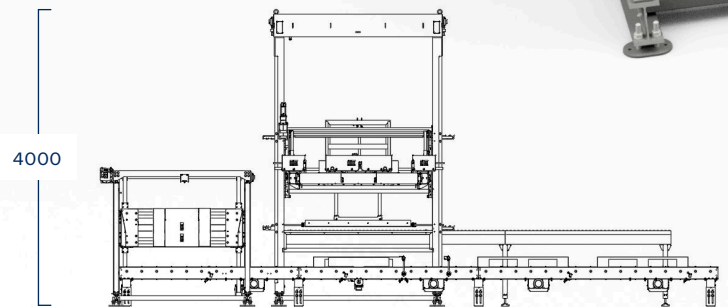
The IP 4 Greenline palletiser is operationally optimised with long service intervals – and without the use of compressed air.
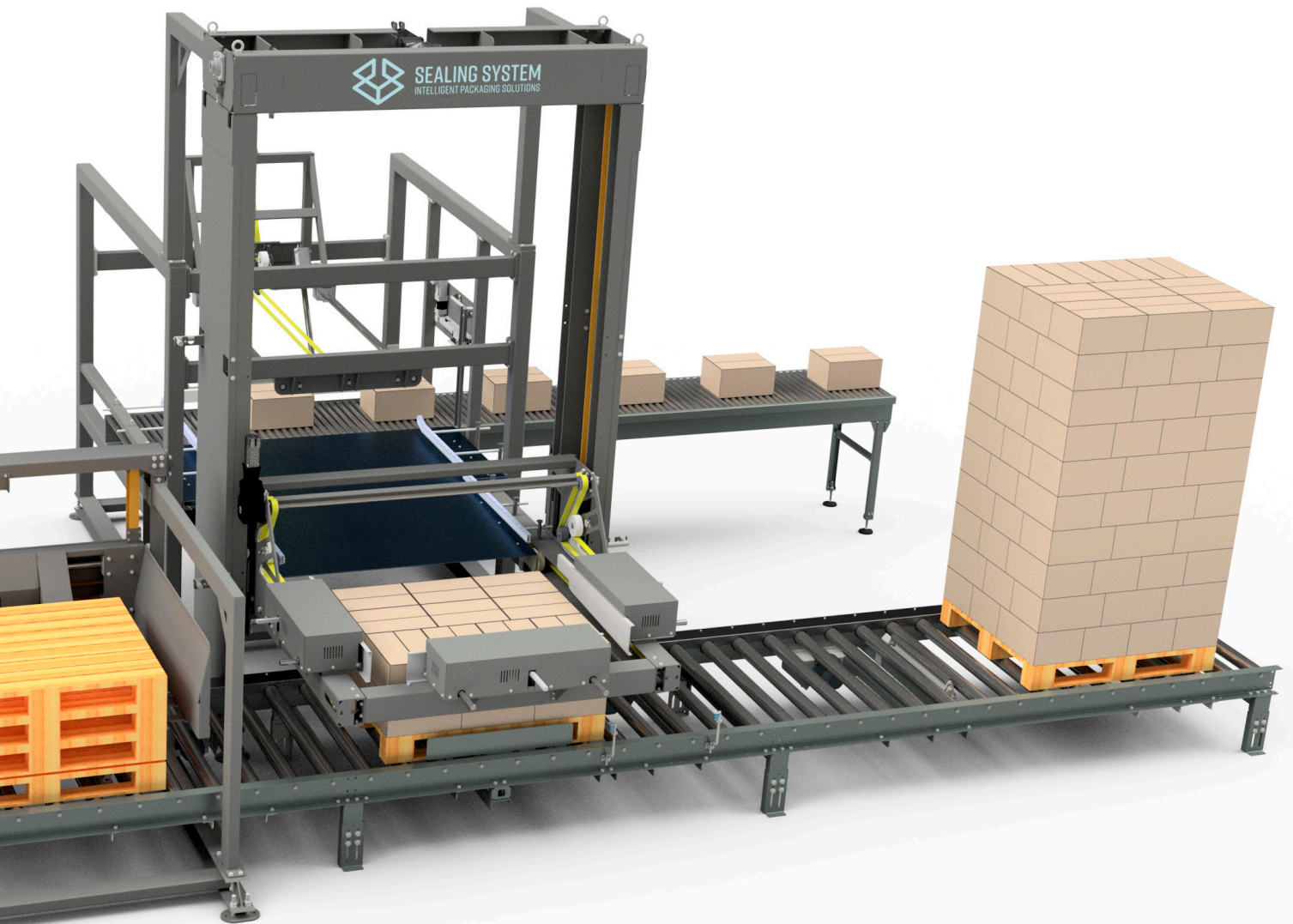
The machine handles all common types of packaging such as cardboard boxes, plastic crates, trays, film-coated items, lid/bottom packaging, etc.

Thanks to the user-friendly control panel, the operator can easily programme new pallet patterns as well as modify existing ones. In addition to this, error conditions, if any, are displayed graphically on the panel, which minimises downtime.

A high priority has been given to quality, user friendliness and ease of access, and in terms of design, the IP-4 Greenline palletiser is at the cutting edge of developments.

If there are no items at the inlet conveyor, the eco-friendly IP-4 Greenline will go into stand-by mode. When a product arrives at the inlet conveyor, the machine starts running the pre-set programme/format.

MACHINE DESIGN:

- Sturdy frame construction

- Compact design

- Open construction for easy access to the machine in connection with maintenance and adjustments. Change-over to a new format is less than 2 minutes

- The machine is designed with a focus on a high standard of hygiene

- Filling of the pallet magazine during operation

- Driven, accumulating infeed roller conveyor with a length of 2,000 mm

- Turning of boxes at the inlet in accordance with the pallet pattern

- Pattern-building section with a servo-operated pusher and 2,200 mm accumulating conveyor with separation stops

- Elevator section with servo motor

- Loading frame, fitted with loading plate and 3 motorised side guides, as well as servo-operated backstop

- Automatic pallet magazine for destacking of empty pallets

- Driven pallet conveyor in the pallet magazine, for moving empty pallets from the magazine to the palletising area in the palletiser

- Pallet conveyor for 2 full pallets after the palletising area

- Siemens PLC S7 and Schneider servo-motors

- The palletiser comes with a separate 12" panel for the handling of all manual functions

- Documentation, machine labelling and panel text are in English/national language

- The machine is CE marked

IP-4 GREENLINE:

Number of products/patterns:	1 (up to max. 99)
Pallet dimensions:	1/1 Chep-paller: 1,000 × 1,200 mm 1/1 EUR-paller: 800 × 1,200 mm ½ EUR paller: 800 × 600 mm
Accumulating infeed conveyors in palletiser:	Length: 2,000 mm Rollers: Ø40 × 600 mm, galvanised Roller pitch: 50 mm Conveyor speed: Variable from 15/60 m/min Roller conveyor height: 1,000 mm Drive shaft: Stainless steel
Pallet conveyor:	Type: Sealing System Roller pitch: 198 mm Rollers: Ø 80 mm × 1100 mm, galvanised Chain drive: From roller to roller Pallet conveyor height: 500 mm Pallet conveyor speed: 10 m/30 m/min
Pallet magazine:	10 pallets, automatic
Product sizes:	Min. L120 × W120 mm × H80 mm Max. L600 × W500 m × H450 mm
Noise level:	Under 80 dB(A) (product dependent)
Capacity:	4 layers per min.
Tower height:	4,000 mm
Max. weight per pallet:	Up to 1,500 kg per pallet (incl. pallet)
Full pallet height:	Standard max. 2,000 mm (incl. pallet)
Design/execution:	The palletiser is made of plain steel and painted in RAL 9007; guarding in RAL 1003
Electricity:	3 × 400 V + N + PE, 50 Hz
Ingress:	IP 54
Safety:	IP-4 Greenline comes with a mesh guarding of 2,200 mm in height in accordance with applicable CE standards. All doors are fitted with safety switches, and photocells have been mounted at the inlet to the pallet magazine and at the discharge of the full pallets. The plant is supplied CE marked.

IP-4 GREENLINE – Options:

Number of products/patterns:	Up to 99 pallet patterns
Pallet dimensions:	¼ plastic pallets 400 × 600 mm Includes an extra pallet magazine Fully automatic loading of 4 ¼ pallets on a EUR pallet
Accumulating infeed conveyors in palletiser:	Hard chrome-plated rollers
Sheet magazine:	Can be purchased for fully automatic interlayer sheet applications
Capacity:	High loader, up to 7 layers/min
Colour:	Other RAL colour on request