



BOSCH

Invented for life



Kliklok Smart-3

Lugless Carton Closer Sealing of 3-Flap Cartons at 120 cpm

The Kliklok Smart-3 lugless carton closer is ideal for the hot-melt glue sealing of hinge cover, 3-flap topload cartons. With speeds up to 120 cartons per minute, this compact closer offers an economical space-saving solution. The innovative in-line carton pivot turning bed ensures simple and reliable carton handling in minimum length.

Stainless steel construction

The Smart-3 closer has a rigid, robust, corrosion-resistant stainless steel construction, to comply with the most demanding dry or wet production environments. Where wash-down is required, the Smart-3's electrical cabinet is rated NEMA 4X.

Hot-melt glue system

The Smart-3 closer is fitted with a Nordson Pro Blue 4 enclosed hot-melt glue system, with nozzle type application for accurate and consistent closure.

Insight® colour touchscreen

Panelview Plus 700 color touchscreen, with icon based controls for ease of operation, fault diagnosis and speed adjustment.

Random carton infeed

Independently driven infeed metering wheels allow the Smart-3 to accept a random flow of cartons from upstream product loading equipment, improving efficiency and simplifying line integration.

Large size range

The carton size range of the Smart-3 size is generous, to cater for a wide range of applications, offering maximum flexibility. The Smart-3 can be customised to suit numerous carton styles, including "Hood cover" and "Scallop edged" cartons.

Lugless design

A simplified lugless design eliminates carton carrying lugs, driven chains, mechanical transfers and timing flaps. Instead, reliable VFD motors directly drive durable, easy replaceable high-friction belts to quietly convey cartons through the machine to effectively reduce any carton marking and product damage.

Easy, three-dimensional size change

Automatic program set-up and a simple mechanical hand-wheel with digital indicators make size change achievable in less than ten minutes – a quick and easy changeover, with minimal downtime.

Key Features

- ▶ Lugless design for efficient carton carrying
- ▶ Easy size change
- ▶ Generous carton size range

Packaging System Structure

Primary Packaging

Product Handling

Secondary Packaging

Kliklok Smart-3 Lugless Carton Closer

Technical Specifications

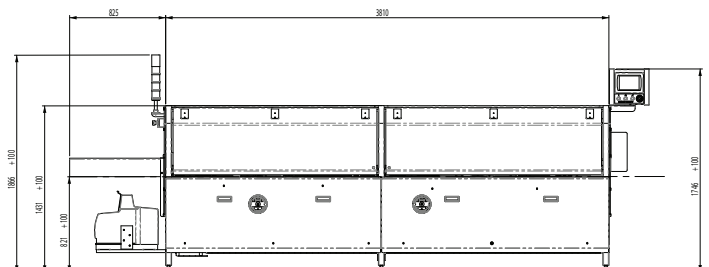
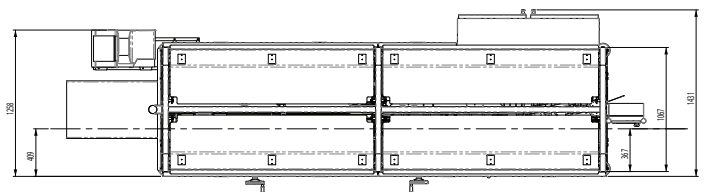
Performance		Carton Size Range	Minimum	Maximum
Production Speed	Variable to 120 cpm	Length	95 mm (3.75")	380 mm (15.00")
Actual speed depends on machine configuration, product and carton size and carton style. Ask Kliklok about meeting higher speed requirements.		Width	95 mm (3.75")	305 mm (12.00")
		Depth	25 mm (1.00")	127 mm (5.00")
Operating Requirements		An individual carton combining multiple minimum or maximum dimensions may not be compatible with the standard system. 		
Power Consumption	3.5 kVA			
Air	80 liters/min (2.8 cfm)			
	5.5 bar (80 psi)			
Construction		Shipping Weight, Skidded	1134 kg (2500 lb)	
Stainless steel frame and shafts. Clear polycarbonate guards. Nickel-plated chains, pulleys and sprockets. Anodized aluminum.				

Standard Features

- ▶ Predominantly stainless steel construction
- ▶ Lugless design
- ▶ Small machine footprint
- ▶ Color touch screen operator interface
- ▶ Cantilevered overhead assembly
- ▶ Digital indicators for easy size change
- ▶ Roller compression
- ▶ Carton transport via durable twin urethane belts
- ▶ Straight line, 90 degree carton turner
- ▶ Nordson hot-melt glue system
- ▶ Fast and simple size change
- ▶ Minimal maintenance
- ▶ CE compliant

Optional Features

- ▶ Cover left carton orientation
- ▶ Hood cover closure
- ▶ Modifications for special carton shapes
- ▶ Casters for portability
- ▶ Alternative electrical packages
- ▶ Automatic lubrication



Bosch Packaging Technology

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