



**BOSCH**

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## 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

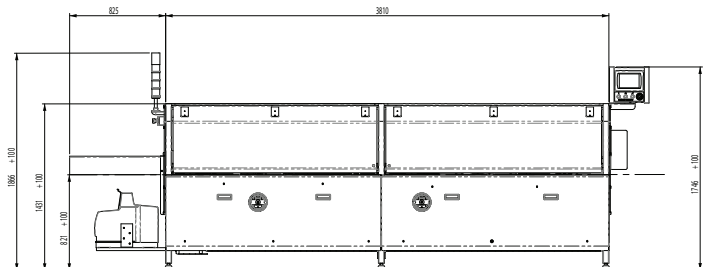
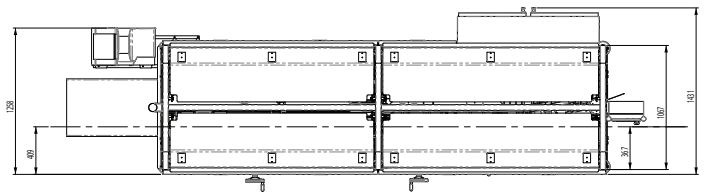
Performance		Carton Size Range	Minimum	Maximum
Production Speed	Variable to 120 cpm	Length	95 mm ( 3.75" )	380 mm ( 15.00" )
Actual speed depends on machine configuration, product and carton size and carton style. Ask Kliklok about meeting higher speed requirements.		Width	95 mm ( 3.75" )	305 mm ( 12.00" )
		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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