



# BOSCH

Invented for life



## Kliklok Celox

### Endload Cartoner High Speed, High Performance

The Kliklok Celox is ideally suited for frozen and refrigerated/prepared foods. It has the flexibility to rapidly adapt to changing production needs, operates at high efficiency with very low down-time, and reduces maintenance and running costs.

The high performance Celox can be integrated with Kliklok's product handling systems to package a variety of products like ready meals, bags of cereal, flow wrapped cakes, pizzas, and biscuits.

#### **Outstanding access for changeovers and maintenance**

The Celox's carton feeder and inserter module are on the same side of the machine, creating convenient access to the heart of the machine, all from one side.

#### **Easy operation with Insight® color touchscreen HMI**

The industry-leading Insight® color graphic touchscreen HMI is intuitive and features recipe-based programming that reduces operator error and ensures consistent performance regardless of shift or operator skill. Enhanced diagnostics are standard.

#### **Fastest rotary carton feeder in the industry**

Kliklok's patented rotary carton feeder is the fastest, most positive in the industry. The straight-pick motion reduces wear on suction cups and short, rigid bars minimize deflection. The servo motion profile erects cartons in the direction of product flow with a 30% greater carton-open time.

#### **Hybrid modular stainless steel frame**

The fully-welded stainless steel frame is a hybrid construction of tubular steel and formed plates, creating a torsionally rigid, vibration-free platform. The modular design allows for custom configuration with standard assemblies, reducing build time and costs.

#### **Rapid changeovers with semi-automatic adjustments**

Recipe-based programming and extensive use of servo motors provides fast semi-automatic machine setup and adjustment. The quick-change carton gate, feeder bars, and simple hand wheels with Siko counters reduce changeovers to a few minutes.

### Key Features

- ▶ Speeds up to 325 cpm (9" pitch)
- ▶ Fastest rotary carton feeder in the industry
- ▶ Easy-to-use Insight® touchscreen HMI
- ▶ Sanitary stainless steel design (IP65)
- ▶ 2-D servo-driven semi-automatic size adjustment
- ▶ OMAC PackML compliant
- ▶ Ethernet network connectivity

## Packaging System Structure

Primary Packaging

Product Handling

Secondary Packaging

# Kliklok Celox Endload Cartoner

## Technical Specifications

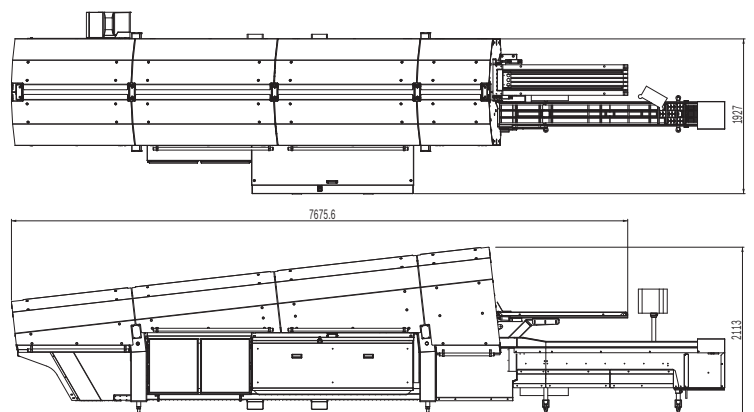
Performance		Carton Size Range	Minimum	Maximum
Production Speed	Variable to 325 cpm ( 9" pitch )	Length ( 9" pitch )	80 mm ( 3.14" )	203 mm ( 8.00" )
Actual speed depends upon machine configuration and carton size and style.	Variable to 250 cpm ( 12" pitch )	Length ( 12" pitch )	80 mm ( 3.14" )	279 mm ( 11.00" )
	Variable to 200 cpm ( 15" pitch )	Length ( 15" pitch )	80 mm ( 3.14" )	355 mm ( 14.00" )
Operating Requirements		Width	25 mm ( 1.00" )	100 mm ( 3.94" )
Power Consumption	28 kVA	Depth	110 mm ( 4.33" )	305 mm ( 12.00" )
Air	283 liters/min ( 10 cfm )	An individual carton combining multiple minimum or maximum dimensions may not be compatible with the standard system.		
	5.5 bar ( 80 psi )			
Construction				
Fully-welded stainless steel frame. Stainless steel shafts. Chains, pulleys and sprockets are nickel-plated. Clear polycarbonate guards.				
Shipping Weight, Skidded	4536 kg ( 10,000 lb )			

## Standard Features

- ▶ Heavy-duty, fully-welded, stainless steel, angled-surface washdown frame (IP65 standards)
- ▶ 1430 mm ( 56.29" ) hopper capacity
- ▶ Independently-servo-driven flight chains
- ▶ Patented servo-driven rotary carton feeder
- ▶ Barrel-cam product inserter
- ▶ Product reclaim conveyor
- ▶ Ancillary device mounting rails
- ▶ Digital Proportional Glue Regulator
- ▶ Semi-automatic carton size adjustment
- ▶ Corrosion-resistant nickel-plated chains
- ▶ Insight® icon-based color graphic touch screen operator interface
- ▶ Allen-Bradley CompactLogix™ control system
- ▶ Sanitary washdown wiring
- ▶ Low level carton indicator
- ▶ Status beacon
- ▶ OMAC PackML compliant
- ▶ Powered carton hopper
- ▶ Ethernet network connectivity

## Optional Features

- ▶ Alternative flight pitch
- ▶ 5-crease sleeve capability
- ▶ 3D servo size change
- ▶ Enhanced diagnostics and on board manuals
- ▶ Alternative closing means (tuck, gable, etc.)
- ▶ Opposite hand configuration
- ▶ Low level hopper
- ▶ Integrated open carton flap detect/reject



Bosch Packaging Technology

[boschpackaging.com](http://boschpackaging.com)

**Kliklok International** Western Drive, Hengrove Park Estate, Bristol, BS14 0AY UK +44 1275 836131 [kliklok-int.com](http://kliklok-int.com)

**Kliklok-Woodman** 5224 Snapfinger Woods Drive, Decatur, GA 30035 USA +1 770-981-5200 [kliklokwoodman.com](http://kliklokwoodman.com)