



**BOSCH**

Invented for life



## Kliklok Enterprise

### Endload Cartoner High Speed, High Performance

The Kliklok Enterprise features the fastest rotary carton feeder in the industry, and can package a wide variety of foods: frozen entrees, waffles, meats, pies, cakes, etc., at speeds up to 325 cartons per minute. It is designed to accommodate an optional overhead confiner for bag-in-box applications. Its modular design allows a variety of product conveying systems, including an article bucket infeed.

The Enterprise was designed with centerlining capabilities for “set it and forget it” predictable and consistent performance. Product and equipment changeovers are faster. Unplanned downtime and material waste are reduced.

#### **Modular, flexible-configuration IP65 frame**

The tubular stainless steel frame with angled surfaces provides no place for debris to accumulate and is IP65 washdown rated. The modular design allows multiple infeed configuration options, including an adjustable article bucket and an overhead confiner.

#### **Fastest rotary carton feeder available**

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.

#### **Easy operation with Insight® 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.

#### **Centerline design for maximum uptime**

Designed from the ground up to help end users achieve predictable and consistent performance, all set points are clearly marked to help establish optimal settings for faster changeovers and less downtime and waste.

#### **Barrel cam inserter with gentle insertion angle**

The all-new design features a gentle angle of insertion for better control of a variety of products at high speed. Dual jam protection protects the machine and provides easy clearing of the occasional jam.

### 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)
- ▶ Optional overhead confiner
- ▶ Optional article bucket infeed

## Packaging System Structure

Primary Packaging

Product Handling

Secondary Packaging

# Kliklok Enterprise Endload Cartoner

## Technical Specifications

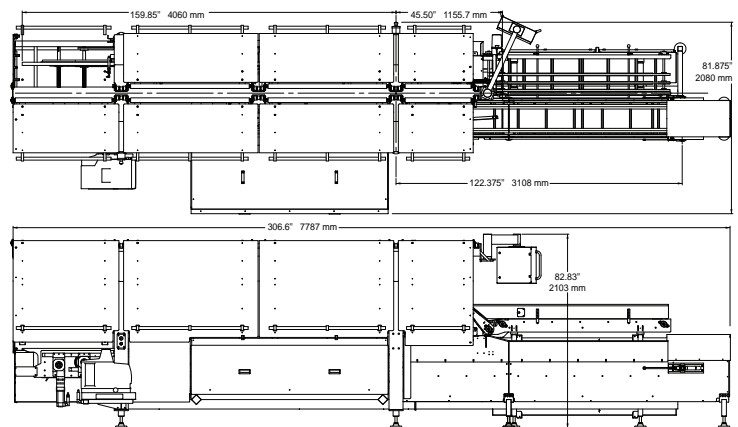
Performance		Carton Size Range	Minimum	Maximum
Production Speed	Variable to 325 cpm ( 9" pitch )	Length ( 9" pitch )	54 mm ( 2.13")	190 mm ( 7.50")
Actual speed depends upon machine configuration and carton size and style.	Variable to 250 cpm ( 12" pitch )	Length ( 12" pitch )	54 mm ( 2.13")	264 mm ( 10.38")
	Variable to 180 cpm ( 15" pitch )	Length ( 15" pitch )	54 mm ( 2.13")	343 mm ( 13.50")
Operating Requirements		Width	25 mm ( 1.00")	100 mm ( 3.94")
Power Consumption	28 kVA	Depth	114 mm ( 4.50")	343 mm ( 13.50")
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 tubular stainless steel frame. Stainless steel shafts. Nickel-plated chains, pulleys and sprockets. Polycarbonate overhead guards.				
Shipping Weight Skidded	4218 kg ( 9300 lb )			

## Standard Features

- ▶ Heavy-duty, fully-welded, stainless steel, angled-surface washdown frame (IP65 standards)
- ▶ Ergonomic design for outstanding operator access
- ▶ Powered 6' (1.83 m) carton hopper
- ▶ Patented servo-driven rotary carton feeder
- ▶ Independently-servo-driven flight chains
- ▶ Barrel-cam product inserter with jam protection
- ▶ Digital proportional glue regulator
- ▶ Corrosion-resistant nickel-plated chains
- ▶ Insight® color touch screen icon-based interface
- ▶ Allen-Bradley control system
- ▶ Sanitary washdown wiring
- ▶ Network connectivity and data acquisition
- ▶ Servo-driven semi-automatic carton size adjustment
- ▶ Startup delay horn
- ▶ Light stack

## Optional Features

- ▶ Article bucket infeed conveyor
- ▶ Overhead confiner for bag-in-box lines
- ▶ Caustic washdown
- ▶ Trailing minor flap kicker
- ▶ Open flap reject
- ▶ Carton graphic recognition system (visual)
- ▶ "Slam-shut" product saving device
- ▶ Cluster and central lubrication systems
- ▶ Laser-cut "mesh" guarding
- ▶ MPF food-grade servo motors
- ▶ Product reclaim conveyor



Bosch Packaging Technology

boschpackaging.com

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