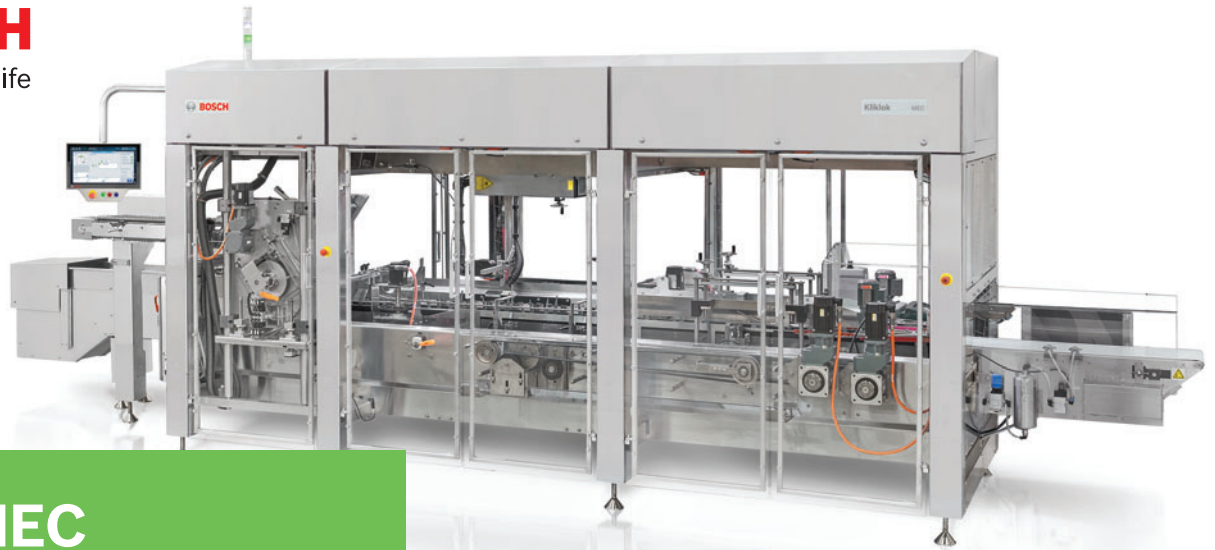




**BOSCH**

Invented for life



## Kliklok MEC

### Midrange Endload Cartoner Future-proof Sanitary Design

The MEC features the Kliklok-patented rotary carton feeder and can package a wide variety of foods at speeds up to 170 cartons per minute.

The MEC was designed with first carton right capabilities for “set it and forget it” predictable and consistent performance. Product and equipment changeovers are faster than ever. Unplanned downtime and material waste are reduced.

#### Designed for highest food safety standards

The open-channel stainless steel frame with angled surfaces provides no place for product or debris to accumulate and is IP65 washdown rated. Electrical cabinets are mounted overhead for safety and to provide unobstructed operator access to the machine interior.

#### Kliklok rotary carton feeder

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

#### Easy operation with Bosch HMI 4.0 touchscreen

The new Bosch HMI 4.0 color graphic touchscreen is intuitive and self-tutoring, and has full connectivity for data collection, sharing, and visualization.

#### Designed for maximum production levels

Changeovers on the MEC are easily repeatable and can be completed by one operator in 10–12 minutes. Cleaning and occasional maintenance are quick and easy.

#### Barrel cam inserter with gentle insertion angle

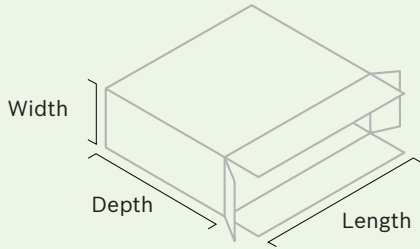
The all-new design features a gentle angle of insertion for better control of a variety of products at high speed. Dual jam protection protects the machine and provides easy clearing of the occasional jam.

### Key Features

- ▶ Speeds up to 170 cartons/min
- ▶ Patented rotary carton feeder
- ▶ Future-proof sanitary design
- ▶ Connected HMI 4.0 touchscreen
- ▶ Fast and repeatable changeovers
- ▶ Integrated open flap detect + reject

# Kliklok MEC Endload Cartoner

## Technical Specifications

Performance		Carton Size Range	Minimum	Maximum
Production Speed	Variable to 170 cpm*	Length ( 9" pitch )	51 mm ( 2.0")	190 mm ( 7.5")
Actual speed depends upon machine configuration and carton size and style. *With 9" pitch; 150 cpm with 12" pitch.		Length ( 12" pitch )	51 mm ( 2.0")	267 mm ( 10.5")
		Width	19 mm ( 0.75")	101 mm ( 4.0")
Operating Requirements		Depth	89 mm ( 3.5")	343 mm ( 13.5")
Power Consumption	28 kVA	An individual carton combining multiple minimum or maximum dimensions may not be compatible with the standard system.		
Air	226 liters/min ( 8 cfm )			
	5.5 bar ( 80 psi )			
Construction				
Stainless steel frame and shafts. Clear polycarbonate guards. Nickel-plated chains, pulleys and sprockets. Minimal anodized aluminum parts.				
Shipping Weight Skidded	3600 kg ( 8000 lb )			

### Standard Features

- ▶ Hygienic stainless steel, open-channel washdown frame (IP65)
- ▶ Ergonomic design for outstanding operator access
- ▶ Powered 1.18 m carton hopper
- ▶ Patented servo-driven rotary carton feeder
- ▶ Vacuum generated directly at cups
- ▶ Automatically-adjustable product infeed conveyor
- ▶ Two-chain stainless steel transfer with quick-change lugs
- ▶ Unique "stacked chain" carton carrying chains
- ▶ Multi-axis servo design
- ▶ Barrel-cam product inserter with dual jam protection
- ▶ Integrated open flap detect and reject system
- ▶ Bosch HMI 4.0 color touch screen interface
- ▶ Allen-Bradley control motors and drives
- ▶ Sanitary IP65 washdown specification
- ▶ Network connectivity and data acquisition
- ▶ Light stack machine status indicator

### Optional Features

- ▶ Trailing minor flap kicker
- ▶ Overhead confiner
- ▶ Integrated product timing module
- ▶ Integrated glue filling system
- ▶ PIC extensions
- ▶ Date coding

