



BOSCH

Invented for life



Kliklok Vari-Straight

Topload Carton Closer Turning Cartons In A Straight Line

The Vari-Straight is a straight-line closer for tri-seal topload cartons. It features Kliklok's patented variable pitch technology, which uses pop-up lugs to create infinitely variable flight centers. This combines the benefits of lugged carton control and random infeed timing in a full servo motor platform. The constant carton control eliminates the inherent slip and timing issues of lugless carton closers.

Patented pop-up lug technology for constant carton control

Kliklok's patented variable pitch technology activates lugs only when a carton is present, providing the flexibility of random infeed timing and the carton control of a lugged transport system.

Revolutionary inline carton turning bed

The patented turning bed relies on an offset variable pitch lug transport and a revolutionary "pop-up flight bar" to effortlessly and accurately turn the cartons without releasing control, providing a superior final carton appearance.

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.

Absolute cover registration with prefold wheel

Flawless registration is achieved by first folding the trailing charlotte flap. This ensures consistent alignment of the front tuck and charlotte flaps, reduces carton waste, and offers ideal presentation of the final package.

Repeatable changeovers with CheckPoint system

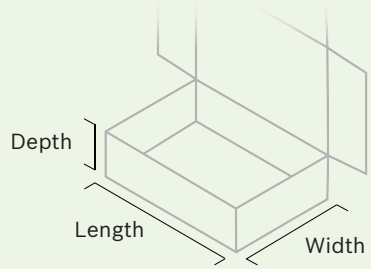
Our optional CheckPoint size verification system features digital indicators that change automatically for each recipe. Positive indication is given when dimensional changes have been properly made. This ensures consistent performance across all carton sizes.

Key Features

- ▶ Speeds up to 200 cpm
- ▶ Infinitely variable flight centers
- ▶ Lugged carton control with random infeed
- ▶ Easy-to-use Insight® touchscreen HMI
- ▶ Sanitary stainless steel design (IP65)
- ▶ Quick and repeatable changeovers

Kliklok Vari-Straight Topload Carton Closer

Technical Specifications

Performance		Carton Size Range	Minimum	Maximum
Production Speed	Variable up to 200 cpm	Length	102 mm (4.00")	381 mm (15.00")
Actual speed depends upon machine configuration and carton size and style. Ask Kliklok about meeting higher speed requirements.		Width	89 mm (3.50")	305 mm (12.00")
		Depth	38 mm (1.50")	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	32 kVA			
Air	708 liters/min (25 cfm) 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	1915 kg (4222 lb)			

Standard Features

- ▶ Heavy-duty fully-welded tubular stainless steel frame
- ▶ Allen-Bradley servos, drives and machine controls
- ▶ Speed and glue adjustment through touchscreen
- ▶ User-friendly Insight® icon-based color touchscreen operator interface for easy setup and operation
- ▶ Driven infeed to accept random carton flow
- ▶ Cantilevered overhead carton transport assemblies with automatic lift-away on machine stop
- ▶ Digital indicators for easily-repeatable size changes
- ▶ Independent servo and VFD metering for each machine section
- ▶ Angled-surface frame and electrical components comply with IP65 standards
- ▶ Sealed-for-life bearings eliminate lubrication needs
- ▶ Machine software follows PackML state map
- ▶ Nordson ProBlue hot-melt totally enclosed nozzle-type applicator
- ▶ Start delay horn
- ▶ Multi-color light stack

Optional Features

- ▶ CheckPoint Carton Size Verification System
- ▶ Hood-cover closure (cover left infeed only)
- ▶ Cover-left carton orientation
- ▶ Alternative electrical controls
- ▶ Size range and over-square carton modifications
- ▶ Network connectivity and data acquisition
- ▶ Casters for portability
- ▶ Laser/inkjet date/coding systems
- ▶ Open flap / bar code detect-reject systems
- ▶ Heavy carton requirements (3+ lbs)

