



**BOSCH**

Invented for life



## Kliklok Vari-Pitch

Topload Carton Closer  
Cover-to-Flange Seal, Seal-Tuck and Dust Flap Cartons

The Vari-Pitch CFS, ST and DF are straight-line carton closers for Cover to Flange Seal (CFS) cartons, Seal Tuck (ST) cartons, and Dust Flap (DF) cartons. They feature 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.

### 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.

### Economical and consumer-convenient carton styles

Carton costs can be significantly reduced by eliminating charlotte flaps and front tuck flaps. ST and DF cartons (tea cartons) offer reclosability as a consumer convenience. CFS cartons (sandwich bags) often have "zippered" opening features for product dispensing.

### Repeatable changeovers in less than 10 minutes

Recipe-based programming and simple mechanical handwheels with digital counters make 3D size changes easy, repeatable, and achievable in less than ten minutes.

### Sanitary IP65 stainless steel construction

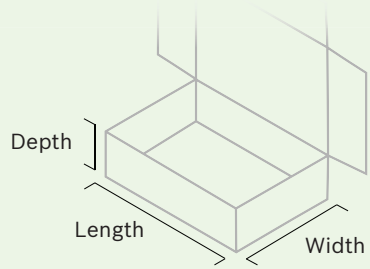
The Vari-Pitch machines are built on a welded tubular stainless steel frame with rotated beams and angled surfaces that shed water and prevent debris accumulation. The Vari-Pitch machines are rated IP65 for water washdown environments.

### Key Features

- ▶ Speeds up to 120 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-Pitch Topload Carton Closer

## Technical Specifications

Performance		Carton Size Range	Minimum	Maximum
Production Speed	Variable up to 120 cpm	Length	102 mm ( 4.00")	305 mm ( 12.00")
Actual speed depends upon machine configuration and carton size and style. Ask Kliklok about meeting higher speed requirements.		Width	77 mm ( 3.03")	305 mm ( 12.00")
		Depth	77 mm ( 3.03")	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	1043 kg ( 2300 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
- ▶ Digital indicators and upgraded scales for easily-repeatable size changes
- ▶ Independent servo and VFD metering for each machine section
- ▶ Angled-surface frame and electrical components comply with IP65 standards
- ▶ Nordson ProBlue hot-melt totally enclosed nozzle-type applicator
- ▶ Start delay horn
- ▶ Multi-color light stack

### Optional Features

- ▶ Cover-left carton orientation
- ▶ Alternative electrical controls
- ▶ Size range modifications
- ▶ Network connectivity and data acquisition
- ▶ Casters for portability

