



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

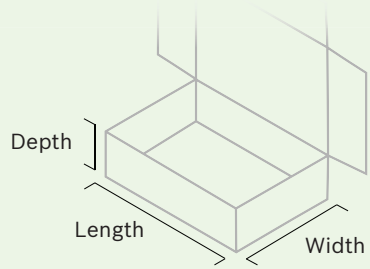
The Vari-Pitch machines are built on a welded tubular stainless steel frame with rotated beams and angled surfaces that shed water and prevent debris accumulation. The Vari-Pitch machines are rated IP65 for water washdown environments.

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

