

# Kliklok Vari-Pitch Topload Carton Closer.

FOR 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.

## 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.

### Your benefits

- ▣ 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



# Packaging Line Structure.

## Primary Packaging

Vertical Bagmaker

Horizontal Wrapper

Cup Filler

## Product Handling

Pick and Place Robotics

Product Timing / Loading

## Secondary Packaging

Topload

Endload

Wraparound

Case Packers

Kliklok Vari-Pitch ST / CFS

## 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
- Hot-melt totally enclosed nozzle-type glue applicator
- Start delay horn
- Multi-color light stack

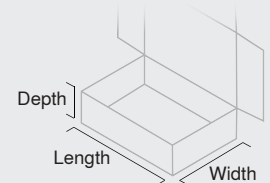
## Optional Features

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

## Technical Specifications

Performance	min.	max.
Speed (cartons per minute) <small>Actual speed depends upon machine configuration and carton size and style.</small>	30	120
Carton Size Range	min.	max.
Length	102 mm (4.00")	305 mm (12.00")
Width	77 mm (3.03")	305 mm (12.00")
Depth	38 mm (1.50")	127 mm ( 5.00")

An individual carton combining multiple minimum or maximum dimensions may not be compatible with the standard system.



## Operating Requirements

Power Supply	400 VAC / 480 VAC, 50/60 Hz
Air	658 L/min (23.5 cfm) 5.5 bar (80 psi)

## Construction

Fully-welded stainless steel frame. Stainless steel shafts. Nickel-plated chains, pulleys and sprockets. Clear polycarbonate guards.

Shipping Weight, Estimated	1043 kg (2300 lb)
----------------------------	-------------------

Kliklok LLC, A Syntegon Technology Company  
5224 Snapfinger Woods Drive  
Decatur, GA 30035 USA

Phone +1 770 981-5200  
Fax +1 770 987-7160  
Mail 2p.3p@syntegon.com  
Web www.syntegon.com/2p

Document PAUS-MKT-00043 Rev 6  
Date 06.08.2020

© Syntegon Group | PAUS | 06.2020 | Subject to change without notice.

