

# Kliklok ITC Integrated Topload Cartoner.

THREE PACKAGING PROCESSES IN ONE MACHINE.

The compact Kliklok ITC neatly combines three packaging processes into one: carton forming, product loading, and carton closing, complementing the Syntegon packaging portfolio.

The ITC is designed to pack flow wraps, roll wraps, and tablets. It offers the perfect solution for the bakery and confectionery industry and is particularly suited to products like cereal bars, chocolate bars, biscuits, muffins and cupcakes.

## SINGLE INTEGRATED MACHINE

The Kliklok ITC takes complete control of the carton – from forming to finished package – by combining three separate machines and connecting conveyors into one unit. The ergonomic design of the ITC features the HMI, carton hopper, and glue tank on one side of the machine for easy operator access. Finished cartons leave the ITC in the same direction as incoming product, reducing space needed for product conveying.

## COMPACT FOOTPRINT

The ITC boasts one of the highest speeds available for a solution with such a small footprint, and has a large carton size range. This allows manufacturers to save production space and increase production output without compromising on quality.

## ROBOTIC LOADING

The proven Delta robot provides automatic loading of products. The Delta robot is able to track the carton transport system and load products 'on the move' – an advantage over 2-axis robots which can only load stationary cartons.

## PRODUCTION LINE FLEXIBILITY

The ITC's carton and robotic tooling changeover can be accomplished in less than 15 minutes with change part numbering system and the use of toolless jigs. Product lines can be switched from one size carton to another with minimal downtime.

## LOCK OR GLUE FORM CARTONS

The ITC offers the option of either lock or hot melt glue carton forming, in a variety of different carton styles, giving you the flexibility to adapt to changeable marketing demands.

## Your benefits

- ▣ Speeds up to 550 ppm / 80 cpm
- ▣ Single integrated unit – 3 machines in 1
- ▣ Small footprint
- ▣ Quick size change
- ▣ Large carton size and style range



# 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

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## Standard Features

- Integrated forming, loading, closing
- Infeed product collation chain accepting up to 550 ppm input
- Pick and Place Delta robot
- Carton forming and closing up to 80 cpm
- Product infeed conveyor with reject function
- Product collating unit
- Active carton squaring device
- Carton outfeed discharge belt
- Control system (Beckhoff) and HMI 4.0
- Linear servo technology (XTS)
- Integrated hot melt glue system
- Hygienic Design Level 1 – Wipe down
- CE compliant

## Optional Features

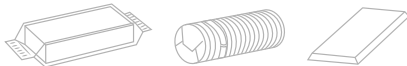
- Open flap detect and reject system
- Dual infeed
- Alternative carton styles
- R.F.I.D. tagging of format parts

## Carton Styles - Lock or Glue

- Tri-seal cartons - full flap
- Tri-seal cartons - economy flap
- Single flap, with dust flaps
- Trays

## Product Types

- Flow-wraps
- Roll-wraps
- Tablets



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## Technical Specifications

Performance	min.	max.
Speed (products   cartons / min.) <small>Actual speed depends upon machine configuration, product arrangement, and carton size and style.</small>	-   -	550   80
Carton Size Range	min.	max.
Length	86 mm (3.38")	345 mm (13.58")
Width	68 mm (2.67")	220 mm ( 8.66")
Depth	23 mm (0.90")	150 mm ( 5.90")
An individual product/carton combination featuring multiple minimum or maximum dimensions may not be compatible with the standard system.		
The maximum size for the carton blank in the hopper is 500 mm (w) x 650 mm (h).		
Product Size Range	min.	max.
Length	40 mm (1.57")	200 mm ( 7.87")
Width	15 mm (0.59")	120 mm ( 4.72")
Depth	6 mm (0.23")	50 mm ( 1.96")
Operating Requirements		
Power Supply	400 VAC / 480 VAC, 50/60 Hz	
Air	100 L/min (3.5 cfm) 5.5 bar (80 psi)	
Shipping Weight, Skidded	2800 kg (6173 lb)	

