

Kliklok ACE Topload Carton Former

THE WORLD'S MOST ADVANCED CARTON ERECTOR.

The Kliklok ACE topload carton former is our most advanced carton forming system. Based on input from our customers around the world, the ACE was designed and built for flexibility, ergonomics, access, reduced maintenance, and future-proof speed.

ERGONOMIC LOW-LEVEL CARTON HOPPER

The carton hopper on the ACE is the lowest we've ever placed on a former. Loading is easy and at a comfortable height for cart-to-hopper carton transfer, whether it's with one, two, or three heads.

NEW PATENTED FLEX FEEDER

The new feeder on the ACE provides guaranteed positive carton control through a two-stage process. Cartons are picked from the hopper and placed in a holding area. Carton pushers positively move the cartons to the forming cavity, where they are formed and released onto a conveyor.

LOCK, GLUE OR ULTRASONIC FORMING

The ACE offers the greatest production line flexibility by being able to run lock-formed and/or glue-formed carton on one machine, and the glue system does not need to be removed to run lock-formed cartons. Ultrasonic sealing capability adds another level of versatility.

SCALABLE, FLEXIBLE, AND ACCESSIBLE

The ACE has a small footprint – just 8.6 m² (92 ft²) – but can accommodate a wide size range, with one, two, or three heads, for top speeds of 240 cpm. The incredible flexibility of the ACE allows you to actually add and remove heads whenever you want. Wardrobe-style doors allow easy access for size changes.

SIMPLIFIED ELECTRICAL AND MAINTENANCE

An integrated servo drive system offers plug-and-play maintenance, and a simplified electrical cabinet means air conditioning is not needed. An optional dust management system is available.

Your benefits

- ▣ Speeds up to 240 cpm (triple heads)
- ▣ Ergonomic low-level carton hopper
- ▣ Patented Flex Feeder for positive carton control
- ▣ Lock, glue or ultrasonic forming
- ▣ Industry 4.0 HMI with visual operator instructions



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 ACE Carton Former

Standard Features

- ❑ Speeds up to 240 cpm (triple head)
- ❑ One (1) set of forming parts (single head)
- ❑ Capable of running glue-style and/or stripper lock-style cartons
- ❑ Stainless steel open frame sanitary construction
- ❑ Low-level hopper
- ❑ 580 mm (22.83") hopper capacity
- ❑ Servo patent-pending Flex-feeder
- ❑ Controlled carton supply with photoeye
- ❑ Vacuum generator for carton feeder
- ❑ Servo profiled plunger
- ❑ Tool-less quick release plunger mounting
- ❑ IP54 dust and water splash protection
- ❑ Low carton inventory sensing with alarm
- ❑ Industry 4.0 HMI with 3D models with operator instructions, mounted on swivel mount
- ❑ Integrated servo drive system
- ❑ Jog control pendant
- ❑ Wardrobe guarding with interlocking doors
- ❑ Carton air eject
- ❑ IP65 stainless steel rotary main disconnect box
- ❑ Carton exit left or right
- ❑ Delayed start alarm
- ❑ Multi-color light stack
- ❑ External ethernet convenience port

Optional Features

- ❑ Pressurized hot-melt glue system, Robatech standard
- ❑ Ultrasonic sealing on a purpose-built ACE
- ❑ Servo-driven outfeed belt conveyor
- ❑ Servo-driven flighted outfeed conveyor
- ❑ IP65
- ❑ Dust extraction
- ❑ Vacuum pump for carton feeder, with overload protection
- ❑ Network connectivity via VPN
- ❑ Casters for portability

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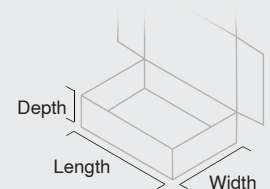
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Technical Specifications

Performance	min.	max.
Speed (strokes per minute)	20	80 (80/160/240 cpm)
<small>Actual speed depends upon machine configuration and carton size and style.</small>		
Carton Size Range	min.	max.
Length	86 mm (3.39")	440 mm (17.32")
Width	68 mm (2.68")	300 mm (11.81")
Depth	18 mm (0.71")	170 mm (6.69")

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



Carton Materials

Solid board (SBS, SUS, Recycled) from 0.014"–0.028", fluted corrugated B, Micro-flute E and F.

Operating Requirements

Power Supply	400 VAC / 480 VAC, 50/60 Hz
Air	20 L/min (0.7 cfm) 5.5 bar (80 psi)

Construction

Stainless steel open-channel frame. Stainless steel shafts. Nickel-plated pulleys and sprockets. Clear polycarbonate guards.

Shipping Weight, Estimated	1650 kg (3638 lb)
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