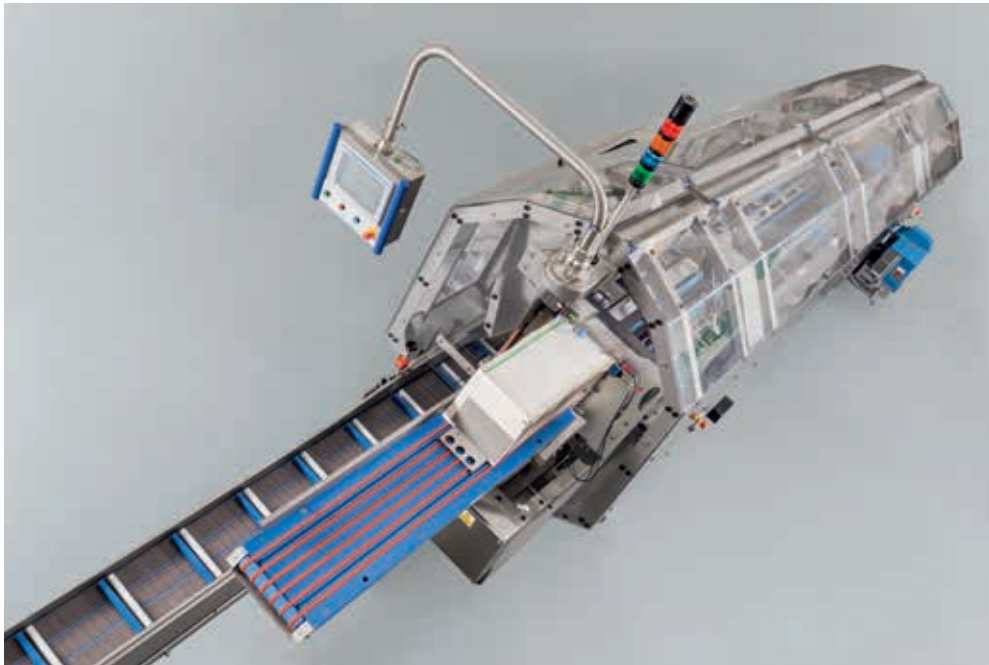


KLIKLOK™ CELOX End Load Cartoner



BOSCH
Invented for life



Incorporating operator-friendly HMI controls with superb diagnostic capability, optional on-board manuals and training videos, Kliklok's award winning CELOX high performance end load cartoner provides the re-assurance of continual production efficiency and minimal down-time.

With servo motion control, modular construction and programmable profile rotary carton feeder, CELOX offers the flexibility to adapt to your changing production needs. The machine's unique design allows rapid & repeatable size changes and adjustments.



Rotary Carton Feeder

Kliklok's patented rotary carton feeder is the fastest and most positive in the industry. The straight-pick motion minimizes deflection, thereby reducing wear on suction cups and allowing the use of aged or economy carton stocks. The short, rigid feeder arms and servo motion profile allow for 30% greater carton opening time, positive carton control and consistent placement opening.

Outstanding Access

By placing the carton feeder and the inserter module on the same side of the machine, we've created walk-in access to the heart of the machine. All operator controls can be handled from one side of the machine, meaning you need only one operator.



Rapid Changeover

Kliklok's Insight® HMI and servo-motors provide automatic machine setup and flight adjustment. The quick-change carton gate, quick-connect carton feeder arms and pushers reduce carton changeover to a few minutes – plus the option of running conventional cartons AND 5-crease sleeves on the same machine.

Hybrid Modular Frame Design

Our fully-welded stainless steel frame is torsionally rigid, virtually eliminating vibration. The innovative modular design allows for custom configuration with standard assemblies to get your machine to you quickly. The modular design also provides flexibility for a variety of inserter modules and allows easy incorporation to your current plant layout.



Accessory Mounting Rails

Our unique mounting rails allow for easy customisation and installation of ancillary items such as laser coders and vision systems—without having to drill into the frame.

Sanitation

Angled upper surfaces provide no place for debris to accumulate. We use components that comply with IP-65 washdown standards, with IP-66 optional.

Servo Motors

Intelligent use of servos eliminates chains and drives and allows dynamic adjustments for absolute positioning, providing fast lineout, increasing overall reliability, and offering quick 2D and 3D (optional) changes.

Interactive Colour Touch Screen

Kliklok's colour touch screen interface is simple to learn and operate. It offers superior troubleshooting capability with advanced servo diagnostics, plus optional production data notification & on-screen manuals.

**Pioneering
Engineering**

KLIKLOK™ CELOX End Load Cartoner

Performance

Speed:

30 cpm to 325 cpm (9" pitch)

30 cpm to 250 cpm (12" pitch)

30 cpm to 150 cpm (15" pitch)

Actual speed depends upon machine configuration, pitch, product characteristics and carton size and style.

Carton Size Range (mm)

Machine Pitch	12"	
	Max	Min
Length	279	55
Width	100	20
Depth	305	110

Operating Requirements

ELECTRICAL:

400V 3 Phase 50HZ plus neutral & earth

Electrical system conforms to HSWA/IEC 201 (EN60204-1)

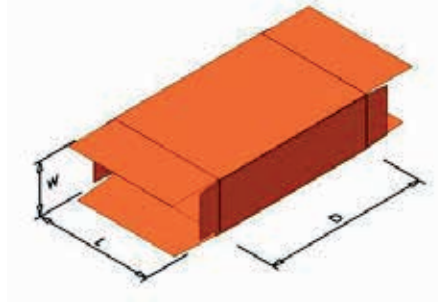
POWER: 10kW

AIR CONSUPTION : 510 L/min (18 cfm) @ 5.5 bar (80psi)

Construction

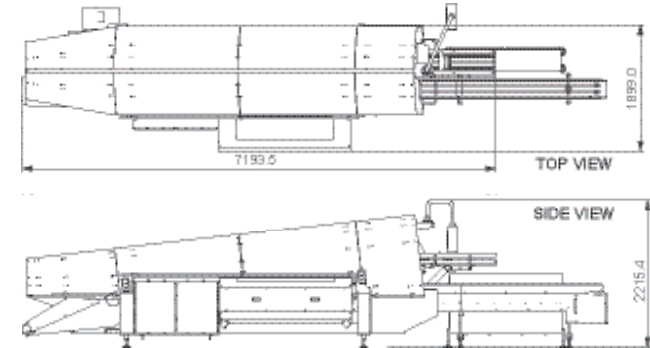
Fully-welded stainless steel frame. Stainless steel shafts. Chains, pulleys and sprockets are nickel-plated or UHMWP. Polycarbonate overhead guards.

Approximate Shipping Weight: 3,500 kg (7,700 lbs)



Standard Features

- Robust, modular, & hygienic stainless steel construction
- Servo driven patented programmable rotary feeder
- Ergonomic design for easy access
- Allen Bradley or Siemens control system
- Ethernet connectivity for off-site condition monitoring
- Automatic, rapid & repeatable size change-manual
- 10" colour touch screen operator interface
- Lubrication-free
- Boom arm operator station
- Wide carton style & size range
- Hopper length of 1430mm
- Low level carton indicator
- I P65 rated
- OMAC & PackML compatible
- Status beacon



Optional Features

- 5-crease sleeve capability
- 3D servo size change
- Enhanced diagnostics & on board manuals
- Alternative closing means (tuck, gable etc)
- Opposite hand configuration
- Product abort system

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