

Kliklok CLS120 Cascade Loading System.

FOR COLLATING AND STACKING OF BAGS AND SACHETS.

This independent product handling unit features fully adjustable 3-stage vertical rotors vanes that provide collation, stacking and transfer of bags, sachets, and other products. Multiple units can be integrated to meet high speed line requirements.

The product timing system consists of three stage rotary drop stations, which align the incoming product timing to the position of the output device, most commonly a moving cartoner PIC pocket. Using multiple drop timing stations allows variations between incoming product spacing and the required outfeed timing to be equalized and avoids excessive product aborting due to mistimed products.

LOW-FRICTION RANDOM INFEED

Products arriving at random are delivered onto a two-stage metering and accelerating conveyor, which spaces the product for accurate delivery into the cascade rotors.

EASY OPERATION WITH TOUCHSCREEN HMI

The 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.

CANTILEVERED DESIGN FOR EASY ACCESS

The unique open design of the CLS provides high visibility, easy access and superior sanitation. Simply lifting the hinged safety doors provides total access to the upper conveyor units, while a single side hinged door allows easy and unobstructed rotor access.

PRODUCT CHECK AND ABORT SYSTEM (OPTIONAL)

The optional abort on the CLS120 ensures that only correctly spaced and sized products are loaded. Incorrect product is automatically aborted without stopping the machine, increasing overall line efficiency.

SMALL FOOTPRINT

The compact design of the CLS120 is ideal for those with limited floor space. The CLS is constructed of stainless steel for tough environments.

Your benefits

- ❑ Speeds up to 120 products/min
- ❑ Collates, stacks and transfers products
- ❑ Low-friction random infeed
- ❑ Easy-to-use touchscreen HMI
- ❑ XL version available for large bags



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 CLS120 Collating and Stacking

Standard Features

- Touchscreen control based on Insight® design
- Recipe-style saving of different products to enable quick changeover
- Fully adjustable drop timing
- Selectable multi-collations from touch screen
- 3-stage drop rotor set with 3-position rotors
- Adjustable metering conveyor slope (0 degrees and 8 degrees)
- Tracked conveyor belts
- Infeed product side guides
- Rotor width adjustment using lead-screw and digital indicator
- Upper conveyor access door and rotor access door
- Cartoner PIC infeed / outfeed safety "cat flaps"

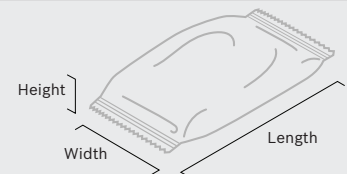
Optional Features

- Drop-down conveyor product abort
- Product sensors for over-feed and over-length
- Built-in aborted product collection bin
- Different product timing options from external machinery
- Rumble belt for product settling
- XL version for larger bags

Technical Specifications

Performance	min.	max.
Speed (products per minute)	20	120
Product Size Range	min.	max.
Length	100 mm (3.94")	350 mm (13.77")
Width	100 mm (3.94")	260 mm (10.23")
Height	5 mm (0.19")	90 mm (3.54")
Weight	20 gm (0.04 lb)	1 kg (2.2 lb)

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



Operating Requirements

Power Rating	9.5 kVA
Air (Only required with product abort option.)	100 L/min (3.5 cfm) 5.5 bar (80 psi)

Construction

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

Shipping Weight, Estimated	1000 kg (2200 lb)
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