

# Kliklok RTS High-Speed Rotary Transfer System.

90° PRODUCT REORIENTATION AND LOADING.

Kliklok's Rotary Transfer System (RTS) is an efficient, continuous motion, high speed product handling solution. The machine accepts randomly arriving product onto a smooth belt conveyor, carries them through 90 degrees via a carousel, and gently places them in the correct orientation into the infeed conveyor of an endload cartoner.

This fast and robust solution is ideal for products that need gentle yet rapid transfer from narrow end leading to broad side leading, prior to cartoning. For example, frozen entrees arriving directly from a freezer.

## CONTINUOUS HIGH SPEED GENTLE MOTION

The RTS handles products with care yet is still able to deliver high speed reorientation and transfer, up to 270 products per minute.

## SMART PHASING

Independent servo-controlled belts are used to incrementally correct product position for accurate synchronization with the RTS's heads.

## PACKAGING LINE FLEXIBILITY

With change parts and recipe-based programming, the RTS can be quickly adapted to handle different products.

## 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.

## PRODUCT ABORT

The abort system on the RTS ensures that only correctly positioned and in-time products are loaded. Sensors check product orientation and deny pickup of errant products. The product continues out the abort chute, ensuring no machine stop is required, and continuous production is maintained.

## Your benefits

- ❑ Continuous high speed gentle motion
- ❑ Speeds up to 270 products/min
- ❑ Easy-to-use touchscreen HMI
- ❑ Easy size change
- ❑ Stainless steel washdown design (IP65)



# 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 RTS High Speed Product Reorientation

## Standard Features

- Continuous gentle motion for product protection
- Stainless steel construction (IP65)
- Servo-driven
- Allen-Bradley controls
- Product sensors for over-feed and over-length
- Built-in aborted product collection chute
- Highly adaptable for new products
- Color touchscreen HMI

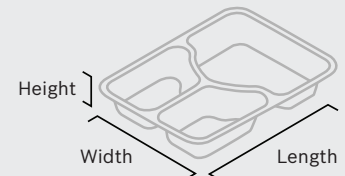
## Optional Features

- Hygienic easy clean design
- High friction infeed conveyor
- Opposite hand version
- Alternative flight pitch
- Portability kit
- Riser kit
- Other product sizes and speeds

## Technical Specifications

| Performance                 | min.           | max.           |
|-----------------------------|----------------|----------------|
| Speed (products per minute) | 30             | 270            |
| Product Size Range          | min.           | max.           |
| Length                      | 110 mm (4.31") | 220 mm (8.69") |
| Width                       | 55 mm (2.19")  | 179 mm (7.06") |
| Depth                       | 25 mm (1.00")  | 70 mm (2.75")  |

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



## Operating Requirements

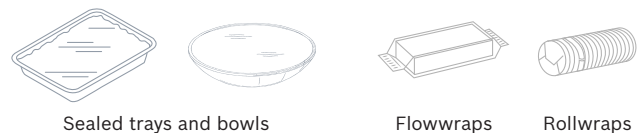
|              |                                      |
|--------------|--------------------------------------|
| Power Rating | 42 kVA                               |
| Air          | 28 L/min (1 cfm)<br>5.5 bar (80 psi) |

## Construction

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

|                            |                  |
|----------------------------|------------------|
| Shipping Weight, Estimated | 500 kg (1100 lb) |
|----------------------------|------------------|

## Compatible Products in Primary Packaging



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