



BOSCH

Invented for life



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 250 products per minute.

Six stage 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.

Key Features

- ▶ Continuous high speed gentle motion
- ▶ Speeds up to 250 products/min
- ▶ Easy-to-use touchscreen HMI
- ▶ Easy size change
- ▶ Stainless steel washdown design (IP65)

Kliklok RTS Rotary Transfer System

Technical Specifications

Performance		Product Size Range	Minimum	Maximum
Production Speed	Variable to 250 products/min	Length	110 mm (4.33")	200 mm (7.87")
Actual speed depends on product characteristics and loading arrangement.		Width	55 mm (2.17")	180 mm (7.28")
		Height	25 mm (.98")	70 mm (2.75")

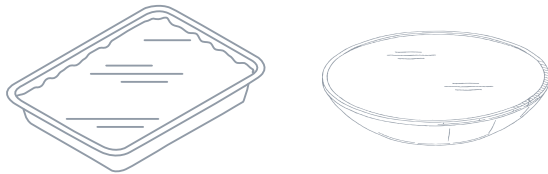
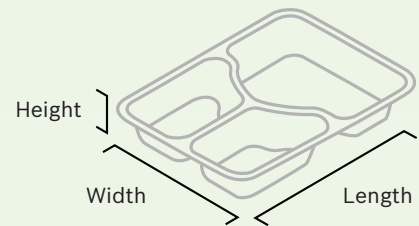
Operating Requirements

Power Consumption	22 kVA
Air	10 liters/min (.35 cfm)
	4.5 bar (65 psi)

Construction

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

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



Sealed trays and bowls

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

