



BOSCH

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Kliklok TRAC-i

Transfer Right-Angle Collator Product Collation & Transfer, With Optional Stacking

The independently-driven TRAC-i (Transfer Right-Angle Collator) provides collation and transfer of products into the continuously running PIC (Product Infeed Conveyor) of endload cartoners.

The servo design, stainless steel construction, and compact footprint provide layout and application flexibility. Special configurations allow cost-effective high-speed product stacking and grouping.

Random infeed with Smartbelt adjustment

Products arriving at random pass over a two-stage smartbelt system, which adapts the speed and spacing of products for accurate timing to the overhead sweep assembly.

Product length check and abort

The abort system on the TRAC-i ensures that only correctly positioned and in-time products are loaded. The pass-through abort feature ensures no machine stop is required, so continuous production is maintained.

Collation and transfer

The TRAC-i collates and transfers products into the PIC flights of an endload cartoner. Products may be swept individually or collated side-by-side or end-to-end.

Compact design

The small, efficient footprint of the TRAC-i makes integration easy even in production environments where space is limited. Right-angle and straight-line configurations provide layout flexibility.

Stacking capability

The TRAC-i provides a cost-effective product stacking option. Available in straight-line or 90-degree configurations, the “Stacking-TRAC” accepts products delivered at random and transfers them to a servo-controlled elevator which stacks up to four products at high speed for transfer to an endload cartoner’s Product Infeed Conveyor.

Key Features

- ▶ Speeds up to 150 products/min
- ▶ Side-by-side and end-to-end collating
- ▶ Stacking options
- ▶ Product length check with abort
- ▶ Easy size change
- ▶ Stainless steel design (IP65)
- ▶ IP65 rated

Packaging System Structure

Primary Packaging

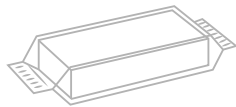
Product Handling

Secondary Packaging

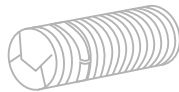
Kliklok TRAC-i Transfer Right-Angle Collator

Technical Specifications

Performance		Product Size Range	Minimum	Maximum
Production Speed	Variable to 150 products/min	Length	60 mm (2.87")	270 mm (10.62")
Actual speed depends on product characteristics and loading arrangement.		Width	40 mm (1.56")	185 mm (7.28")
		Height	20 mm (.78")	95 mm (2.75")
Operating Requirements		An individual product combining multiple minimum or maximum dimensions may not be compatible with the standard system.		
Power Consumption	9 kVA			
Air	5 liters/min (.2 cfm) 4 bar (60 psi)			
Construction				
Stainless steel frame, shafts and guides. Nickel-plated chains, pulleys and sprockets. Clear polycarbonate guards.				
Shipping Weight	500 kg (1000 lb)			



Flow-wraps



Roll wraps



Lidded trays



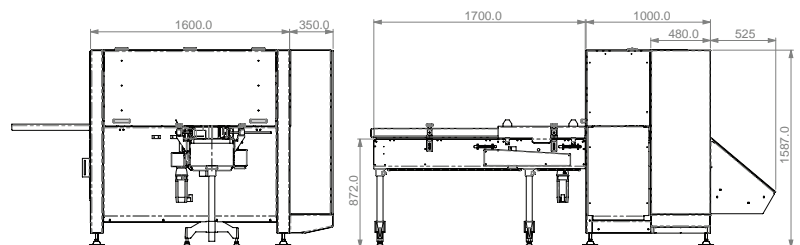
Shrink-wrapped pizzas

Standard Features

- ▶ Heavy-duty stainless steel frame
- ▶ IP65 standards
- ▶ Servo-driven
- ▶ Side-by-side and end-to-end collating
- ▶ Accommodates round and rectangular products
- ▶ Product length check with abort
- ▶ Highly adaptable for new products
- ▶ Intelligent jam detection and abort
- ▶ Easy size change
- ▶ Large size range
- ▶ Hygienic easy-clean design

Optional Features

- ▶ Alternative flight center/pitch versions
- ▶ Stacking-TRAC version
- ▶ Low-friction infeed conveyor
- ▶ Opposite-hand version
- ▶ Straight-line version
- ▶ Stacking ability of 1 to 4 products
- ▶ Lubrication systems extended from parent machine
- ▶ Interface with existing machines
- ▶ Bosch HMI 4.0



Bosch Packaging Technology

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Kliklok International Western Drive, Hengrove Park Estate,
Bristol, BS14 0AY UK +44 1275 836131 kliklok-int.com

Kliklok-Woodman 5224 Snapfinger Woods Drive, Decatur, GA 30035
USA +1 770-981-5200 kliklokwoodman.com