



TRAC-i Product Transfer System

The independently driven "Transfer Right-angle Auto Collator" (TRAC-i) is designed to provide collation and transfer of products into the continuously running infeed conveyor of end-load cartoning machines. The servo design, rugged construction and compact footprint provides layout and application flexibility. Special configurations allow cost effective product stacking and grouping.

Standard Stainless Steel Construction

Today's requirements have prompted stainless steel construction to become a standard design criterion, to meet hygienic needs in a variety of plant environments.

Servo Design

The TRAC-i's servo motors assist in the control and precise timing of product into the flights of the infeed conveyor, which ensures accurate product placement. Additionally, the servo design simplifies the machine mechanics, greatly reducing maintenance requirements.

Compact Design

The TRAC-i's small and efficient footprint makes it ideal for production environments where space saving is important. Inline or Right-angle configurations provide layout flexibility.

Low Friction, Random Infeed

Products arriving at random are delivered onto a two-stage belt conveyor, which gauges the speed and spacing of product, for accurate delivery into the sweep assembly. This system eliminates the need for manual loading, reducing operator requirements.

Product Length Check / Abort

The abort system on the TRAC-i ensures that only correctly positioned products are loaded. Two photocells, working simultaneously, detect if a product is over-length or out-of-time. If either is found, a pass-through abort takes the product to a collection tote, with no machine stop required.

Product Collation and Indexing

The TRAC-i has the ability to collate and index product into the flights of the end-load cartoner. Products may be configured either from series (side-by-side) or parallel (end-to end) random product infeed.

Optional Stacking Trac

The stacking unit is an inline, or 90°, system with product being presented to the unit as a single line random supply. The system is capable of stacking 1, 2, 3, or 4 products high.

When the unit operates as a stacking unit, the first product is transferred forward and waits for the second product to arrive, which is elevated up and over the first product onto a "holding platform." When both products are aligned with each other, they are swept forward by the overhead paddle in a one-on-one format. The stacked product is then automatically timed into the awaiting flights of the product infeed conveyor.



PERFORMANCE

Speed

Up to 150 Products/Minute

Actual speeds are dependent upon product characteristics, carton size and packaging materials.

Product Size Range (based on 12" pitch)

	MINIMUM	MAXIMUM
Length	40 mm 1 5/8"	185 mm 7 1/4"
Width	20 mm 3/4"	95 mm 3 3/4"
Depth	60 mm 2 7/8"	270 mm 10 5/8"

OPERATING REQUIREMENTS

Electrical

230 VAC +5%/-10%, 3 ϕ with ground (PE), 50/60Hz
380-420 VAC, 3 ϕ wye with neutral and ground(PE), 50/60 Hz
9 kVA (9 kW) service required
Electrical system conforms to NFPA 79 and HSWA/IEC
204 (BS-EN60204-1)

Air Consumption

5 Liters/Min (0.2 CFM) @ 4 Bar (60 PSI)

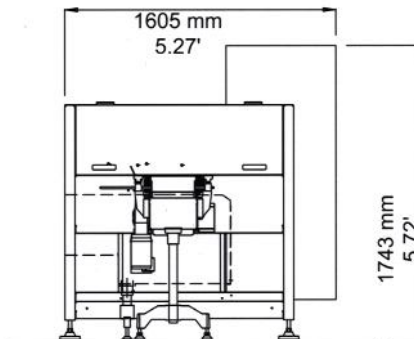
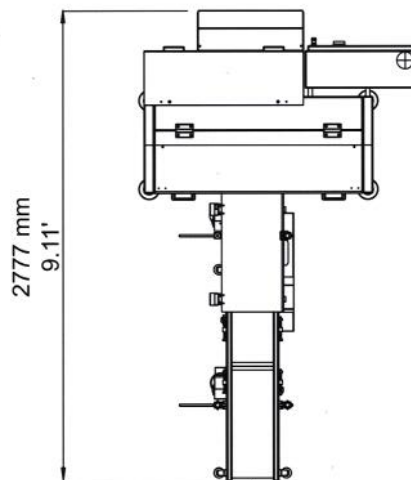
CONSTRUCTION

Constructed in stainless steel, including frame shafts and guides. All mild-steel parts are nickel plated.

Approximate Shipping Weight:
500 Kg (1,102 lbs.) Crated

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SYSTEM LAYOUT



STANDARD FEATURES

- Stainless Steel Construction
- Servo-Driven
- Side-by-Side & End Collating Ability (Accommodating Both 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
- CE Mark Specification

OPTIONAL FEATURES

- 15" Flight Center / Pitch Version
- Stacking Trac Version
- Low Friction Infeed Conveyor
- Opposite Hand Version
- In-Line Version
- Stacking Ability of 1, 2, 3 or 4 (Subject to Product)
- Lubrication Systems (Extended from Parent Machine)
- Interface with Existing Machines

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