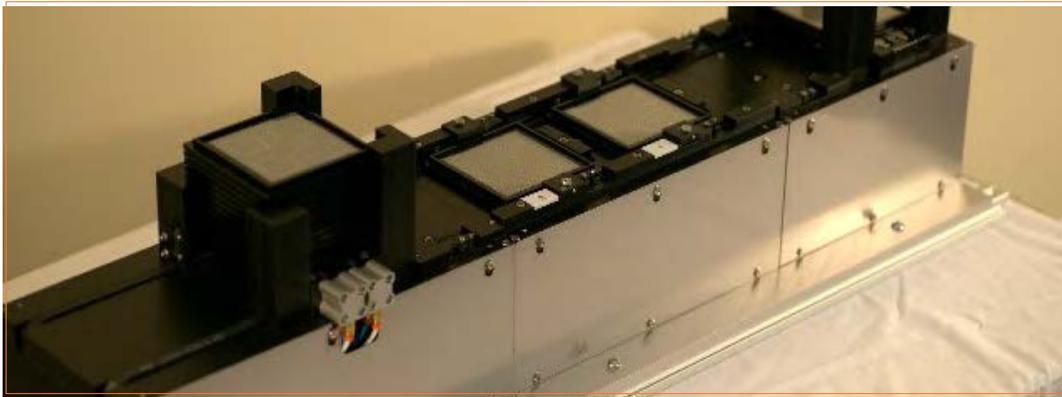


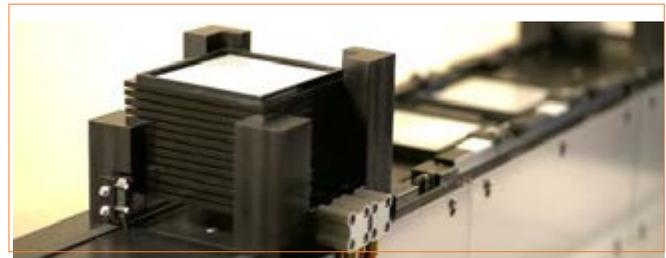
## T-440 Waffle Pack Handling System and Feeder



Feeding, Positioning and Stacking of 4 X 4 Waffle Pack Trays

The T-440 modular design allows it to be configured with a *positioner* station at the end for feeding components into a process, or with positioner stations in the center for easy integration into work cells or into larger automated production systems.

*Top loading and un-loading at input and output allows trays to be added or removed at any time without process interruption.*



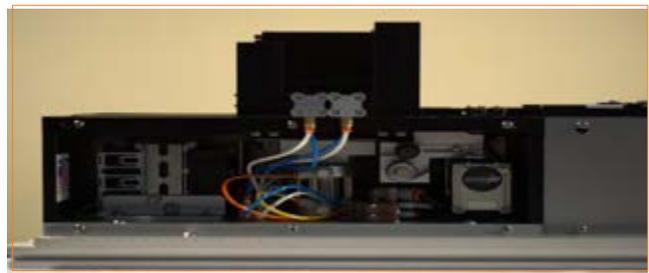
Tray Un-stacker

*Trays are accurately clamped in position for feeding or processing. The system is available with one or multiple positioning stations [two station system shown here].*



Dual Positioner Stations

*Internal controller performs simple “handshake” exchange with the user and automatically directs all motions, identifies fault conditions and provides alerts to the user.*



T-440 Internal

## T-440 Features

- Top-side loading and un-loading. Add or remove trays at any time without process interruption.
- Optional internal vacuum system handles Gel-Pak VR-44 trays and includes z axis tray clamping.
- Auto detection of tray orientation prevents loading error.
- Detection/alarm display of various fault conditions.
- “Soft-stop” feature eliminates component upset.
- Low stack/full stack sensing with operator alert.
- Highly accurate tray positioning with x-y clamping.
- Initialization routine checks all modules for tray presence before starting a new production run.
- Self-contained diagnostics mode. Tests all sensors and manually operates all moving components independently for purposes of setup and maintenance.
- Straight forward interface communication via simple handshake signals. No special s/w needed.

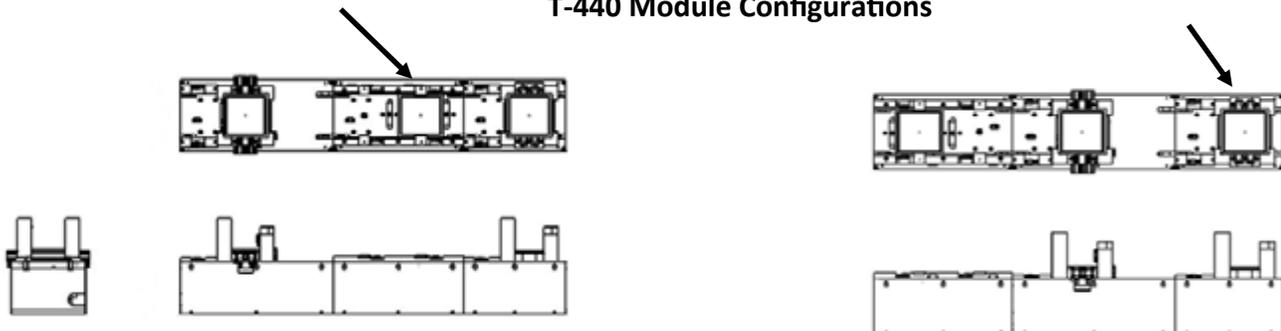
## T-440 Specifications

Tray Types:	4 X 4 Waffle Pack (Std) , 4 x 4 Gel-Pak (Optional)
Stack Capacity:	60 Trays
Position Repeatability:	+/- 0.025 mm
Controller:	On-board Eaton PLC
Interface:	Simple handshake signals
Operator Alerts:	7 fault conditions alerts, plus high/low stack alerts
Tray Exchange:	3-4 seconds, dependent on transport speed setting
Services:	24 VDC, 50 – 60 PSI (3.4 – 5.5bar) clean air
Footprint Dims:	34" L x 6.5" W x 9" (864 x 165 x 228 mm)

Positioner in Center

Positioner at End

### T-440 Module Configurations



\* Specifications subject to change