

TE Series Carton Erector



Robotic Packaging Solutions



Carton Erector - Typical Configuration

The fully automated system erects or forms flat blank cartons from the horizontal magazine. Configurable for crash-lock, slot-lock, or 3-pt glue style cartons. The extended horizontal magazine is ideal for high volume production lines.

The carton extraction system smoothly removes each carton from the magazine using a vacuum gripper before closing or forming the bottom flaps. The system includes as integrated open flap detection and low-level magazine warning allowing for continuous 3- shift operation with minimal operator intervention.

Features and Benefits

- Full length doors for machine maintenance and cleaning
- Integrated mechanical or automatic adjustments
- Wide carton handling capability
- Easy-fill horizontal magazine
- Safely replenish magazine while machine is running
- Low impact vacuum extraction
- Ideal for lightweight or perforated cartons
- Optional integration of a labeller and/or data printer



Technical Information

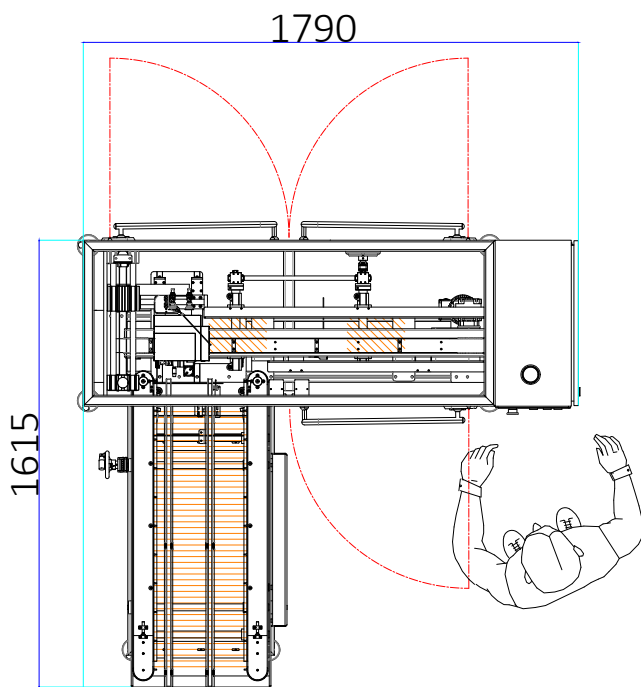
Base Machine Modules	<ul style="list-style-type: none"> - Control Panel – AISI 304L, IP66 - Large Capacity Carton Magazine - Vacuum Extraction Module - Nordson Hot Melt Glue System Optional
Machine Frame	<ul style="list-style-type: none"> - Fabricated Stainless Steel with Polished Finish - Anti-Vibration Support Structure - GMP Features For Easy Cleaning
Control System	<ul style="list-style-type: none"> - Allen Bradley, Schneider or Siemens Options
Software Functions	<ul style="list-style-type: none"> - Format Control/Format Settings List/Data Location - Control Of The Conveyor Speeds By TCP/IP - Upstream/Downstream Signal Connectivity
Safety	<ul style="list-style-type: none"> - Interlocked Doors - E-Stop On The Main Operator Panel - Remote Panel E-Stop - Power Isolator With LOTO

Operator Interface

HMI Display	<ul style="list-style-type: none"> - Colour Touch Screen - Fixed Mounting In Stainless Steel Panel
Operator Controls	<ul style="list-style-type: none"> - Alarms, Warnings, Prompt Messages - I/O Status Check - Machine State (Stop, Ready, Running, Alarm) - Counters (Throughput Rate, Batch Count) - Password Protected Local Access Levels - Maintenance Intervals Displayed On HMI - Machine Cycle Count

Service Specifications

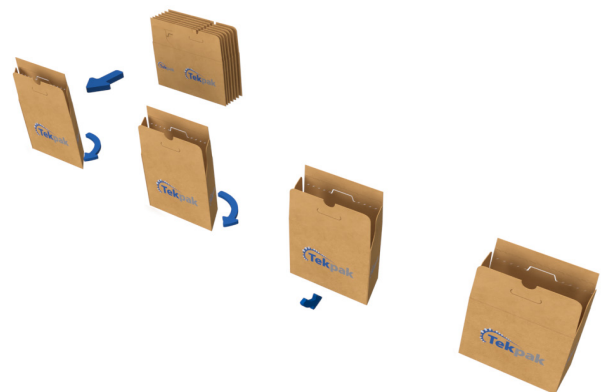
Electrical Supply	- 400v, 50Hz, 3 Phase, Neutral + Earth
Compressed Air	- 6 Bar Clean Dry Compressed Air
Control Voltage	- 24 V DC (Internal)
Pneumatics	- Festo, SMC or Bosch Rexroth



2D Layout of Carton Erector - Typical Configuration



Erected Carton with Crash Lock Bottom



Carton Erecting Sequence with Crash Lock Bottom



Customised Engineering & Integration



24/7 Technical Support