

T-LC Series

Top Load Cartoner



Robotic Packaging Solutions



Top Load Cartoner- Typical Configuration

The Top Load Cartoner is designed for receiving and collating flow packs, vials, ampoules, bottles, sachets, carton-board sleeves, diagnostic kits or other difficult to handle products and loading them into automatically erected cartons. Stations for IFU or leaflet insertion can be integrated prior to carton closing by fold & tuck or hot melt glue. Closed cartons are directed to an outfeed conveyor for downstream case packing and palletising. The machine is designed to support multiple flat blank carton formats. Ideal for facilities that require continuous operation with minimal operator intervention.

Features and Benefits

- Easy access for line clearance, cleaning, and maintenance
- Large colour touch screen HMI
- Standard components for mechanics and drives
- Rapid format change with no tooling required
- Gentle product handling with servo control
- Quiet operation under continuous high speeds
- Extended magazine provides uninterrupted operation
- Optional integration of a labeller and/or data printer



Technical Information

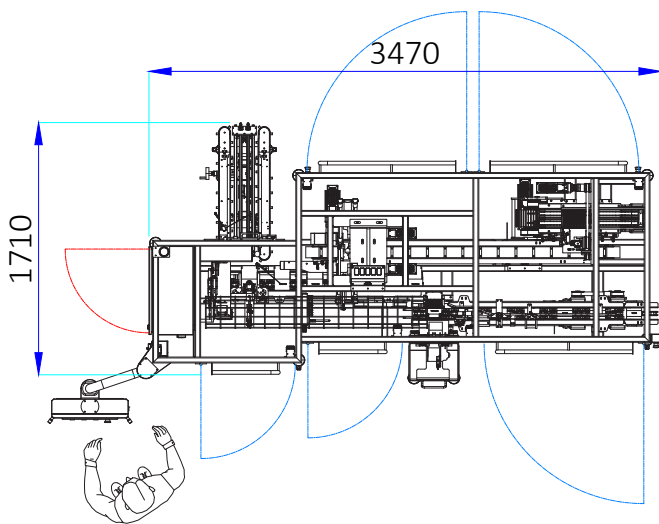
Base Machine Modules	<ul style="list-style-type: none"> - Control Panel – AISI 304L, IP66 - 2-Axis Delta Robot - Stainless Steel Robot Head And Arms - No Calibration Required
Machine Frame	<ul style="list-style-type: none"> - Fabricated Stainless Steel with Polished Finish - Anti-Vibration Support Structure - 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
Pneumatics	<ul style="list-style-type: none"> - Festo, SMC or Bosch Rexroth

Operator Interface

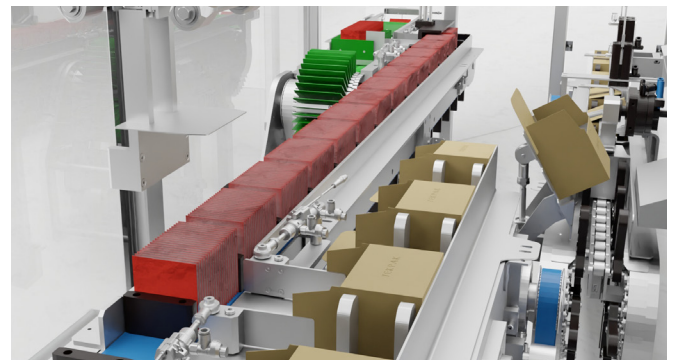
HMI Display	<ul style="list-style-type: none"> - Large Colour Touch Screen - HMI Mounted on Articulated Rotary Arm with Horizontal Adjustment
Operator Controls	<ul style="list-style-type: none"> - Alarms, Warnings, Prompt Messages - I/O Status Check - Machine State (Stop, Ready, Running, Alarm) - Counters (Throughput Rate, Batch Count) - Password Protected Local Access Levels - Maintenance Intervals Displayed on HMI - Machine Cycle Count

Service Specifications

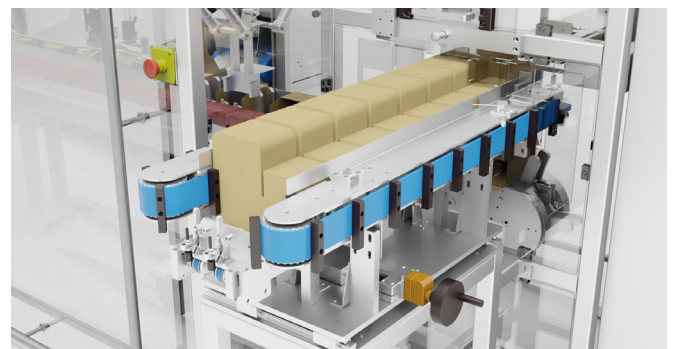
Electrical Supply	- 400v, 50Hz, 3 Phase, Neutral + Earth
Compressed Air	- Bar Clean Dry Compressed Air
Control Voltage	- 24 V DC (Internal)



2D Layout of Top Load Cartoner- Typical Configuration



Product Collation and Loading



Extended Magazine for Continuous Operation



Customised Engineering & Integration



24/7 Technical Support