

TC Series

Carton Closer - Fold & Tuck or Glue



Robotic Packaging Solutions



Carton Closer- Typical Configuration

The fully automated Carton Closer is configurable for fold & tuck or hot melt glue style closing and is ideal for retail display or shelf ready cartons. The built in carton transports system guides the open carton through folding of the top minor and major flaps before tuck closing or closing with hot melt glue.

With integrated open flap detection and low-level glue warning this Carton Closer is designed for continuous operation with very little operator intervention.

Features and Benefits

- Full length doors for easy maintenance and cleaning
- Integrated mechanical or automatic adjustments
- Wide carton handling capability with quick size change
- Designed for 3-shift continuous operation
- Hot Melt Glue ensures a secure carton seal
- Low impact closer for lightweight or perforated cartons
- Compact foot print is ideal for cleanrooms
- Optional integration of a labeller and/or data printer



Technical Information

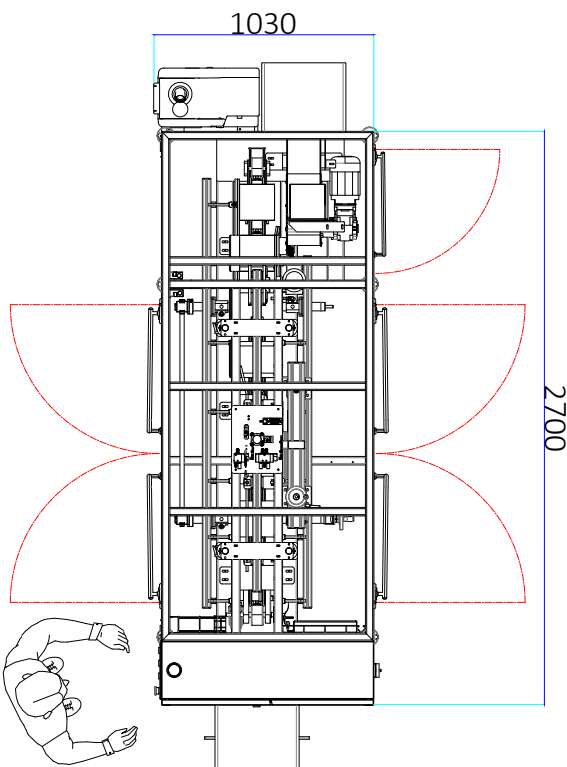
Base Machine Modules	<ul style="list-style-type: none"> - Control Panel – AISI 304L, IP66 - Integrated Carton Transport Conveyor System - Flap Closing (Top Minor and Major Flaps) - Nordson Hot Melt Gluer as Required
Machine Frame	<ul style="list-style-type: none"> - Fabricated Stainless Steel with Polished 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 - 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, Operator Prompt Messages - I/O Status Check - Machine State (Ready, Running, Alarm, etc.) - Counters (Throughput Rate, etc.) - Standard Password Protected Local Machine Access Levels

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 Closer - Typical Configuration



Carton Closing Sequence with Glue



Customised Engineering & Integration



24/7 Technical Support