



**SET UP AUTOLOCK  
BOTTOM –OR–  
FORMED CARTONS  
ON THE SAME  
MACHINE**



**Carton Opening/Forming  
Module for the TLC™ Top  
Load Cartoning System**

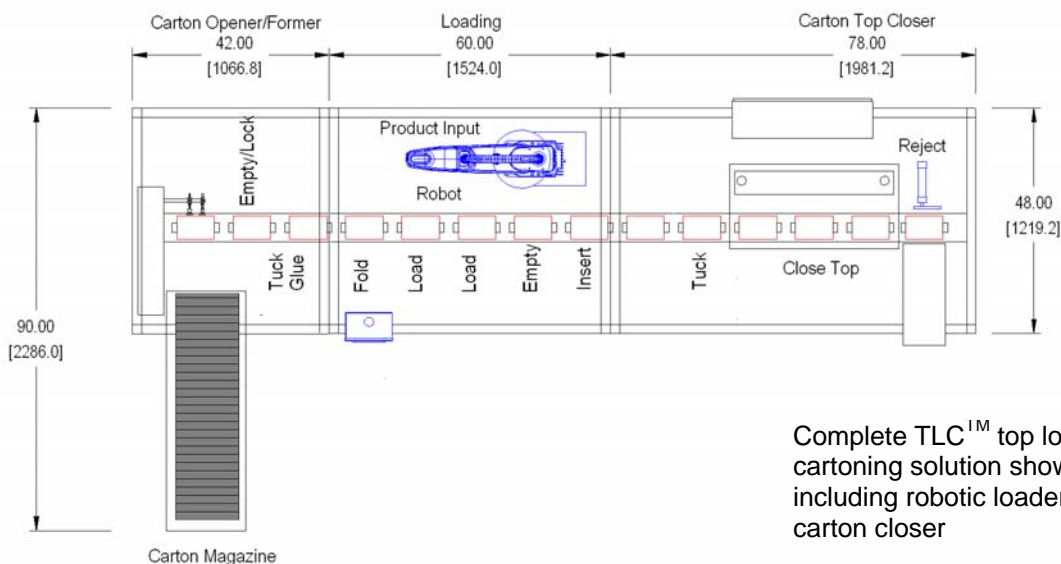
**FEATURES & BENEFITS:**

- The same module opens either auto lock style cartons –or– forms a carton from a blank **providing flexibility for growth and cost savings.**
- cGMP design is **suitable for pharmaceutical / health care industry.**
- Servo motion is smooth, accomplished with few components for a simple, robust design for a **long component life and ease of maintenance.**
- Part of a complete top load cartoning modular solution including a variety of carton loading options and carton closing. Modular scheme can be added to later because it's **flexible to meet your future production requirements.**
- Tool-less changeover allows for **fast and accurate changeovers.**
- Ergonomically designed carton magazine is **easy to load limiting operator injury and strain.**
- Construction fully supports ANSI/PMMA B155.1-2006 safeguarding ensuring **governmental compliance and your staff safety.**
- Metric design **meets international standards**
- Validation assistance included at no extra cost **saves you money and time during start up and commissioning**

***Suitable for all pharmaceutical, nutraceutical,  
parenteral, kit packaging and dry food applications***



Standard Carton Size Range		
SIZE	L x W x H	SPEEDS
Minimum	2.00 x 1.75 x 2.00 in 50 x 45 x 50 mm	Up to 40 CPM
Maximum	9.00 x 6.00 x 8.00 in 230 x 150 x 200	Up to 30 CPM



**BASE MACHINE:**

- **Carton Setup** Either auto lock carton or form carton from blank
- **Magazine** Ergonomically designed horizontal powered magazine
- **Guarding** 3/8 polycarbonate, hinged and interlocked
- **No Tool Changeover** Drop-In style magazine mask and plow and guides, lead screws with mounted scales
- **Pharmaceutical Validation Assistance**
- **Motion Control System** Allen-Bradley ControlLogix or MicroLogix
- **Operator Interface** HMI touchscreen
- **Power** 230 VAC, 3 Phase, 50-60 Hz
- **Air** 15-25 SCFM @ 80 PSI typical
- **Construction** cGMP guidelines followed: Open layout, welded tubular frame, painted steel electrical enclosure, product containment scheme

**OPTIONAL FEATURES:**

- Automatic product loaders (various including robotic)
- Carton closing
- Insert feeding
- Coding / printing
- Bar code verification
- Vision verification
- Batch record data collection
- Remote diagnostics