TRAYFECTA® S Series

Carton & Tray Formers

The new Trayfecta S series carton & tray forming machine, with optimized forming cycle, uses advanced servomotor drive control for all critical machine motions, allowing the unit to operate at higher throughput speeds and with greater efficiencies than mechanical-drive systems.



Advanced servomotor drives control three axes of motion during normal machine operations – carton blank picking, carton transfer, and forming head motions. Servo drives enable each activity to occur at an optimal rate, thereby increasing the overall operating speed of the system.

The Trayfecta S series machines also incorporate enhanced ergonomic features, such as a lower carton blank magazine for safer, easier material replenishment.

The new system is available in 1-, 2-, 3- or 4-head configurations, continuing the Delkor tradition of safe, reliable and profitable performance.

Features

- **Allen Bradley Panelview 700 HMI.** The Trayfecta features robust Rockwell Automation control circuitry (including a self-diagnostic function) accessed through a touch-screen HMI control panel.
- **Multiple forming heads.** Up to four forming heads for high volume production needs.
- **Tool-less changeover.** Menu selectable product configurations along with quick-insert cavities keep changeover time to approximately 5-10 minutes.
- **Flexible system.** Ability to form a broad range of tray and carton styles on one machine: Lock Style, Adhesive Style, Fold-over (Foot-lock)Style, Setup Box Replacement (SBR) Trays
- **Heavy-Duty Construction.** Welded ¼-inch and cold-rolled steel tubular frame. Available in stainless steel or powder coated carbon steel construction.
- **Servo Control.** Allows precise timing of the machine for placement of trays or cartons directly into flighted conveyors.

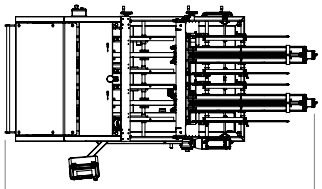
TRAYFECTA® S Series

Carton & Tray Formers



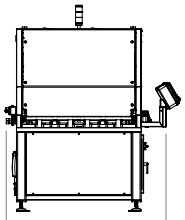
Specifications

Top View

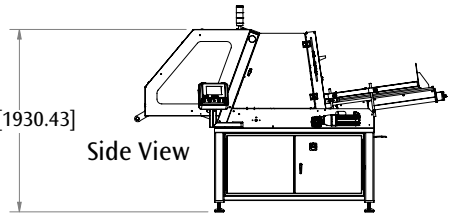


10' 8 7/8" [3272.77]

Front View

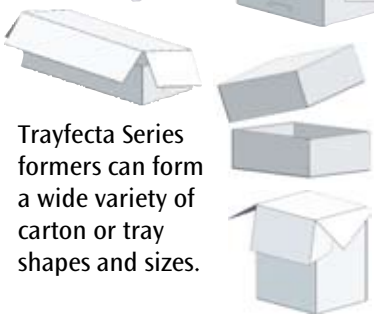


5' 6 5/8" [169.73]



6' 4" [1930.43]

Side View



Trayfecta Series formers can form a wide variety of carton or tray shapes and sizes.

Model Number	Forming Heads Available	Throughput Range for all Models in this Series (units per Minute)	Range of Max. Blank Lengths	Range of Max. Blank Width
900 series	1	up to 80	30"	24"
1200 series	1, 2 or 3	up to 210	30"	36"
1500 series	1, 2, 3 or 4	up to 240	30"	48"

Construction

- Available in stainless steel or powder coated carbon steel construction
- Standard fully welded tubular steel frame
- Heavy duty precision servo drives for high speed reliability

Forming Capabilities

- Pneumatic ejection cylinder
- Adhesive style trays or cartons
- Lock style trays or cartons
- Fold-Over (Foot-Lock) style trays or cartons
- SBR (Setup box replacement) trays

Controls & Electronics

- Allen Bradley Compact Logix PLC
- Allen Bradley Panelview 700 "Plus" color touch screen HMI
- Allen Bradley Ultra 3000 servo drives
- Available ethernet connectivity
- 20% minimum spare I/O for easy integration

Adhesive System

- Nordson ProBlue 10 adhesive melter
- H201/202T zero cavity air-open / air-close application heads or EM-901/902 electronic application heads available
- Wash down heads and hoses available for demanding environments

Software

- Production monitoring & reporting through HMI touch screen
- Form on-demand photo eye
- 3-color machine status light tower
- Discharge verification sensor
- Magazine level sensor with operator alert
- Adhesive level sensor with operator alert
- English/Spanish HMI language available

Rockwell Automation Machine Builder

Safety

- Guardmaster category III guard door interlocks & safety monitor relay
- Lock-out tag-out ready air and electrical disconnect
- Air supply shut-off valve with dump
- Two emergency stop buttons
- Low level blank magazine

Ergonomics

- Ergonomic guard doors with gas shock assist
- Light-weight forming tooling
- Auto retract magazine pressure plate for easy loading
- Swivel-mounted HMI for easy viewing

Utility Requirements

- 35 amp disconnect @ 480V 60hz 3-Phase (240V/575V Optional)
- 5 CFM @ 80 PSI Air consumption (Maximum)

Shipping Weight

- 2500 pounds

packaging **innovation** at work.

Delkor Systems, Inc. 8700 Rendova St NE Circle Pines, MN 55014
Telephone: 1.800.328.5558 • Website: delkorsystems.com • email: info@delkorsystems.com

MDSr1:10-2009