



TRAYFECTA™

Tray and Carton Formers

Delkor's Trayfecta™ Series derives its name from its ability to form all three of the common end-of-line package forms: sidewall trays, corrugated cases and paperboard cartons. Trayfecta cost-effectively meets the needs of non-food operations where washdowns are not required.

The equipment is fabricated of powder-coated steel and incorporates the versatility and the robust construction for which Delkor equipment is known.

Tray and carton forming is done in a unique spring-loaded forming cavity that prevents product jamming for maximum uptime. This innovative feature, plus Delkor's smooth belt-driven operation and the ready availability of replacement parts, contributes to the system's high reliability.

Trayfecta equipment operates at throughput speeds of up to 65 cycles per minute.



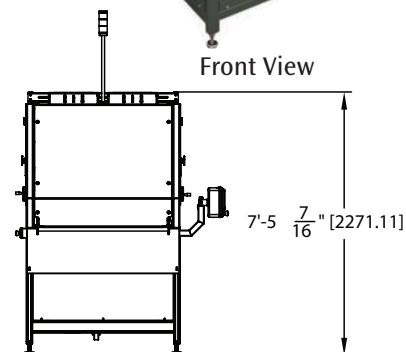
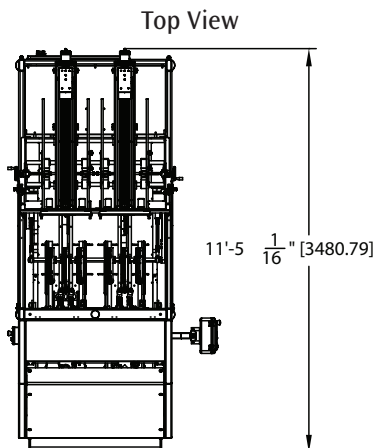
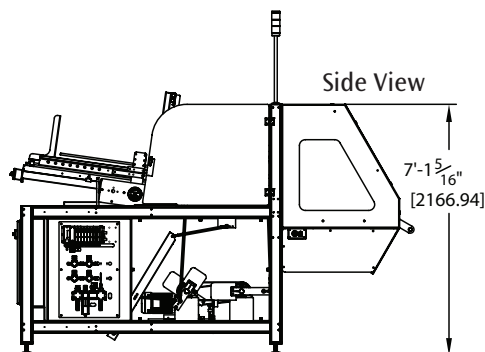
Features

- **Touch screen HMI.** The Trayfecta features robust Rockwell Automation control circuitry (including a self-diagnostic function) accessed through a touch-screen HMI control panel.
- **Modular control architecture.** Enables integration of ancillary devices, such as glue dispensing units.
- **Tool-less changeover.** Menu-driven selection of three preset operating speeds and glue dispensing patterns helps keep changeover time to approximately 15-20 minutes. When optional Delkor Systems quick-insert cavities are used, changeover times are even less.
- **Flexible system.** Fifteen Trayfecta models are available that feature one, two or three forming heads and accommodate various blank sizes ranging from 48 inches wide x 30 inches long (Model 1500 Series) to 36 inches wide by 30 inches long (Model 1200 Series).

TRAYFECTA™

Tray and Carton Formers

Specifications



Model Number	Configurations within this model series	Forming Heads Available	Throughput Range for all Models in this Series (units per Minute)	Range of Max. Blank Lengths	Range of Max. Blank Width
1201, 1202	6	1 or 2	35-135	15" - 30"	15" - 30"
1501, 1502, 1503	9	1, 2 or 3	30-165	15" - 30"	12" - 48"

Frame Construction

- Welded, tubular steel
- Powder coat paint (granite gray)
- Standard elevation adjustable +/- 2.0"

Drive Mechanism

- 2 HP AC gear motor
- Allen-Bradley PowerFlex® 4 adjustable frequency AC drive
- Overload clutch
- Automatic jam detection
- Belt drive with center balances

Magazine

- Magazine with sensor alerts (Low and Empty conditions)
- Pneumatic Blank Pusher (back pressure)
- Venturi vacuum system

Quick-Change Tooling

- Forming head(s)
- Forming cavity(s)
- Shuttle pusher(s)
- Magazine gateframe

Utilities

- Electrical Service
480 VAC
3-phase
35 amps
- Compressed Air
5 to 20 CFM @ 80psi
(application dependent)
1/2-inch NPT connector

Safety

- Lockout-Tagout (LOTO) ready
- 24 VDC control circuitry
- Two E-stop Buttons
- Redundant interlocked guard doors with Reset Button
- Monitoring relays
- Air pressure dump valve
- Fixed guarding

Forming Systems

- Nordson ProBlue 10 Hot-melt glue dispenser
- Mechanical locking tabs
- Combination of both glue and locking
- Tray release plunger(s)

Controls

- Allen Bradley® CompactLogix™ programmable automation controller
- Swivel-mounted A-B PanelView 700 HMI with color touchscreen
- NEMA 12 enclosure
- Three-color stack alert light
- Carton demand photo eye
- Discharge verification photo eye
- High resolution encoder



Options and Accessories

- 240 VAC electrical service
- Casters
- Elevation Kit
- English/Spanish HMI prompts
- Ethernet communications
- Spare Parts Kit