Delkor Flex Loader I Series
Carton, Case, and Tray Loading

highlight: Able to handle many styles of primary containers including cups, tubs, bottles, cartons, and sleeved product; Loads many types and styles of shipping containers including corrugated cases, dairy crates and retail-ready trays

Speed: Operates at production speed of up to 20 cases/trays/cartons per minute

Fast, Accurate Product Changeovers: Tool-less changeovers can be accomplished in 5 minutes for a variety of pack patterns, shipper styles, and primary container types

Sanitary Design: Hygienic construction utilizing 304 grade stainless steel and compliant plastics; NEMA 4 main electrical enclosure

Integration: Integrates seamlessly with Delkor Trayfecta series formers and Delkor Capstone series closers
Delkor Flex Loader I

500 series shown below. Please inquire for 650 and 1000 series measurements.

<table>
<thead>
<tr>
<th>Maximum Package Length</th>
<th>Maximum Package Width</th>
<th>Maximum Product Height</th>
<th>Maximum Case Speed</th>
<th>Primary Container Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.25”</td>
<td>17.25”</td>
<td>9.5”</td>
<td>20 units/min</td>
<td>Application Dependent</td>
</tr>
</tbody>
</table>

**Construction**
- 2” x 4” welded stainless steel frame
- NEMA 4 electrical enclosure
- Heavy-duty gearboxes and drives
- FDA-compliant plastic componentry

**Software**
- Production monitoring and reporting through color touchscreen HMI
- Recipe management system for package setup parameters

**Utilities**
- Electrical Service
  - 480 VAC
  - 50-60 Hz
  - 3-phase
  - 35 amps
- Compressed Air
  - 15 CFM @ 80psi

**Controls and Electronics**
- Allen Bradley ControlLogix PLC
- Allen Bradley PanelView Plus 1000 color touchscreen HMI
- Allen Bradley Powerflex 4 VFDs
- Allen Bradley Kinetix 6000 servo drives
- Ethernet connectivity
- 20% minimum spare I/O for system integration
- Discharge verification sensor
- Jam detection sensors
- Three-color machine status light tower

**Safety**
- Interlocked safety guarding
- Non-contact RF switches with safety monitor relay
- Low-voltage control circuitry with touch-safe terminal blocks
- Low/high-voltage panel segregation
- Lockout/Tagout ready air and electrical disconnect
- Filtered air supply with shut-off valve and dump valve
- Two emergency stop buttons

**Optional Equipment**
- Mechanical pickup heads
- Multilingual prompts
- Elevation kit
- Spare parts kit
- Stainless Steel conduit
- Swivel mount for easy HMI viewing

**Training Support**
- Machine Orientation provides a smooth hand-off to operators
- Delkor 1080° Training Program provides more formal instruction for machine operation and machine maintenance

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