Delkor Flex Loader D Series
Direct Carton, Case, and Tray Loading

packaging innovation at work.

Highlights

- **Direct**: Picks containers directly from filler and loads into trays, die cut trays, cases, and crates

- **Flexibility**: Ability to handle many styles of primary containers including cups and tubs; Loads many types and styles of shipping containers including corrugate cases, dairy crates and Retail Ready trays

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

- **Fast, Accurate 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 D

**Maximum Package Length** | **Maximum Package Width** | **Maximum Product Height** | **Maximum Case Speed** | **Primary Container Speed**
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22.25” | 9” | 17” | 20 units/min | Application Dependent

**Construction**
- Overall height 131” (3320mm)
- 4” 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

**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
- Multi-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 disconnects
- Filtered air supply with shut-off valve and dump valve
- Redundancy built into safety circuit

**Optional Equipment**
- Wash down construction
- Mechanical pickup heads
- Multilingual prompts
- Spare parts kit
- Stainless Steel conduit
- Swivel mount for easy HMI viewing
- Discharge verification sensor
- Jam detection sensors

**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

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

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