



# Delkor Flex Loader D Series

Direct Carton, Case, and Tray Loading

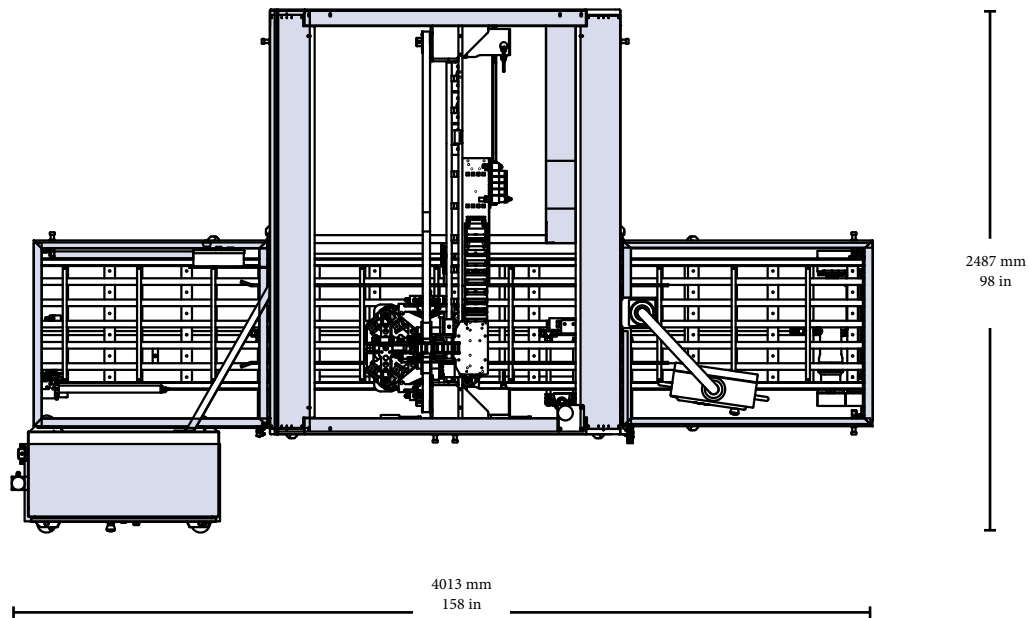
packaging **innovation** at work.



## 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



TOP VIEW

Maximum Package Length	Maximum Package Width	Maximum Product Height	Maximum Case Speed	Primary Container Speed
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

## Utilities

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

## 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

Delkor Systems, Inc.  
4300 Round Lake Road West  
St. Paul, MN 55112



Telephone: 1.800.328.5558  
Website: [www.delkorsystems.com](http://www.delkorsystems.com)  
Email: [info@delkorsystems.com](mailto:info@delkorsystems.com)