

Pharmaceuticals • Nutraceuticals  
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## Features

- Custom End-of-arm Tool (EOAT) Can Erect and Load Cases or Load Only
- Small Footprint Integrates Easily with Existing Case Sealing Equipment
- Automation Reduces Repetitive Motion Injuries for Personnel
- Increase Productivity and Reduce Scrap and Rework

## Robot Models

- Model LR200iD . . . 7kg Payload
- Model M-10iA . . . . 12kg Payload
- Model M-20iC . . . . 20kg Payload



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# Model CEL5 Robotic Case Erector / Loader / Closer



CEL5 with FANUC M-10iA Robot

## Now with Track & Trace Serialization

The ESS Technologies, Inc. Model CEL5 Robotic Case Erector / Loader / Closer provides a flexible solution for manufacturers looking to automate their end-of-line packaging processes. The system may be ordered with one or two robots to erect the case, load the collated pack pattern and close the case. Single-robot cells handle a wide variety of products using custom end-of-arm tool (EOAT) that both erects the case and loads it. A second robot can be added to the cell to load bottles with sideserts or topserts that require a separate EOAT. The compact footprint of the robotic cell integrates easily into existing lines to automate manual packaging processes, allowing manufacturers to increase productivity and reduce costs associated with repetitive motion injuries. The CEL5 includes:

- FANUC multi-axis robot(s) (model varies by application)
- ESS-designed end-of-arm tool (EOAT) that changes in minutes
- Product infeed and case conveyors (varies by application)
- Controls and programming
- PLe-rated polycarbonate safety guarding



CEL5 Erecting Case

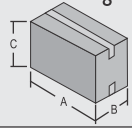


Dual Robot CEL5 for Bottles with Topserts

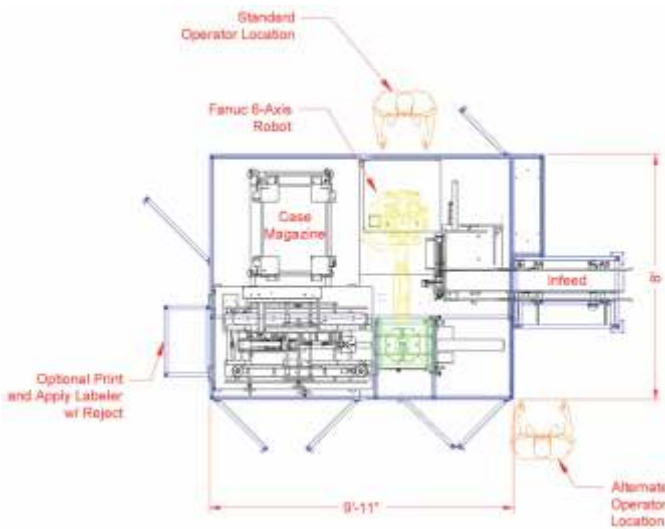
## Options

- Track & Trace Serialization
- Custom Product Infeeds
- Servo Collation
- Leaflet Insertion
- Tape or Glue Case Closure
- Case Labeling
- Checkweigher
- Integrates with ESS's Robotic Mini Pallet Cell

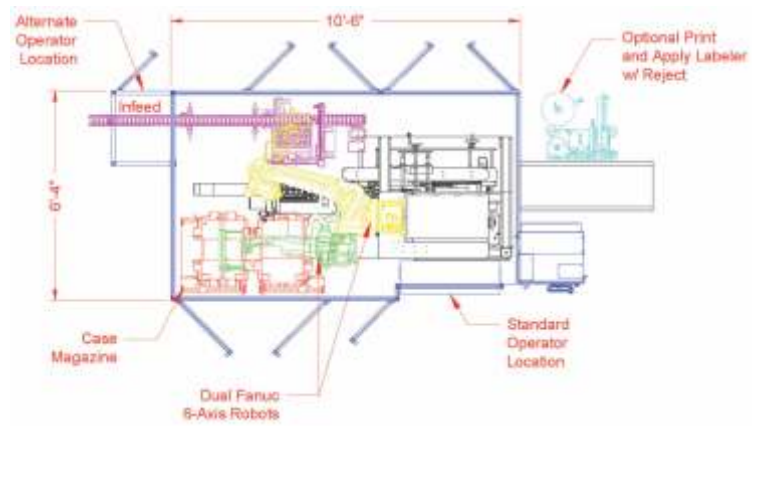
## Technical Specifications

Item	Specification	
Case Size Range (mm) 	<u>Min.</u>	<u>Max.</u>
	A	150 500
	B	100 350
C	100 250	
Speed	Load: 10cpm; Erect & Load: 6cpm	
Standard Voltages	208V, 240V, 480V, 3-Phase, 60Hz	
Size Changeover	15 Minutes Typical	
Compressed Air Consumption	7-9 SCFM	

### Single Robot CEL5 (Typical Layout)



### Dual Robot CEL5 (Typical Layout)



Track & Trace Cameras at Infeed



Integrated Serialization Overhead Camera



Top Case Closer and Sealer



Integrated Serialization Case Labeler

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