

Pharmaceuticals • Nutraceuticals
Cosmetics • Consumer Goods
Diagnostics • Medical Devices



Features

- Integrated FANUC Robot
- ESS-Designed EOAT
- PLe-rated Safety Guarding
- Infeed Conveyor
- UL Certified Panel
- Ultra Compact Robot Controls
- Diamond-plate Construction
- Handles Cases, Bags, Trays, Bundles, Bottles
- Integrates with Serialization Systems from OEMs



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Robotic Mini Palletizer Cell



Now with Track & Trace Serialization

ESS Technologies, Inc. Robotic Mini Pallet Cell incorporates a FANUC robot with ESS-designed vacuum style end-of-arm tooling (EOAT) to create a compact, high performance palletizing cell for single or dual pallet configurations. The standard Robotic Mini Pallet Cell features a FANUC M-20iA (Other robot models may be specified for the system, depending on the speed and payload requirements of the application.)

The system comes complete with the robot, the FANUC A-Cabinet robot controller, EOAT, PLe-rated interlocked guarding, infeed conveyor, UL electrical panel, and Allen Bradley PanelView touchscreen HMI. FANUC's PalletTool Turbo software is pre-installed on the robot to simplify operation. Product changeover typically occurs in 15-20 minutes.

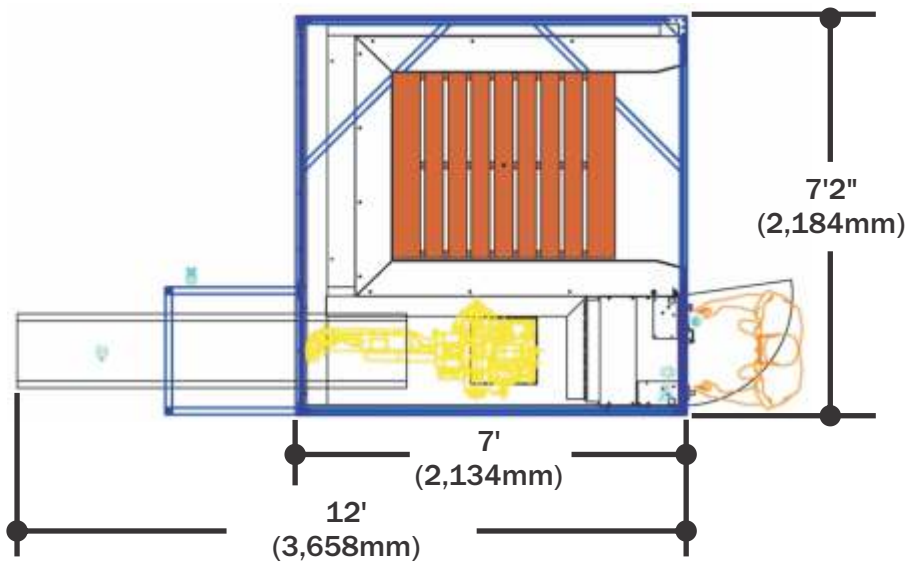
All FANUC robots come vision-ready to accommodate optional cameras. Options include pallet infeed and discharge conveyors, empty pallet dispensing and full pallet removal and tier sheet feeding. ESS integrates the Mini Cell with serialization systems from OEMs for track and trace applications.



Technical Specifications

Item	Specification
Speed*	Up to 40 Cases per Minute
Payload Capacity*	20-165 kg (varies by robot model)
Pallet Size	Accommodates all std. pallet sizes.
EOAT	Vacuum, Gripper or Hybrid
Changeover	15-20 Minutes
Standard Voltages	208V, 240V, 480V, 3-Phase, 60Hz

* Other speeds and payloads can be achieved using different FANUC robots. Contact ESS Technologies, Inc. to discuss specific application details.



Footprint for Single Pallet Cell

Options

- Pallet Discharge Conveyor
- Pallet Infeed Conveyor
- Automatic Pallet Dispenser
- Automatic Removal of Full Pallets
- Deck & Tier Sheet Dispensing
- Integrated with Pallet Stretch Wrapper
- Integrated with Serialization Systems



Dual Pallet Option



Stainless Steel Pharma Package Option



Serialization Case Labeler



Barcode Readers for Case Serialization Labels



Optional Deck/Tier Sheet Dispenser

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Packaging Machine Design & Integration

