

Pharmaceuticals • Nutraceuticals

Cosmetics • Consumer Goods

Diagnostics • Medical Devices



Features

- Economical Design Base
Price Under \$102K
- Integrated FANUC
M-710iC/50H 5-Axis Robot
- ESS-Designed Vacuum or
Gripper EOAT
- PLe-rated Wire Mesh
Safety Guarding
- Infeed Conveyor
- One (1) set of tooling
(additional size parts optional)
- Handles Cases, Bags, Trays,
Bundles, Bottles
- Easily Integrates with OEM
Serialization Systems



ESS Technologies, Inc.
3160 State Street
Blacksburg, VA 24060
(540) 961-5716 • (540) 961-5721
info@esstechnologies.com
www.esstechnologies.com

Mini Cell-E Economical Robotic Palletizer Cell



Now with Track & Trace Serialization

ESS Technologies, Inc. Mini Cell-E Economical Robotic Palletizer incorporates a FANUC robot with custom-designed ESS end-of-arm tooling (EOAT) to create a cost-effective, high performance palletizing cell for 1-in 1-out and 1-in 2-out pallet configurations in a very small footprint. The Mini Cell-E integrates a FANUC M-710iC/50H 5-axis robot with ESS-designed end-of-arm tooling (EOAT) and can easily be added to existing packaging lines to replace manual palletizing processes.

The Mini Cell-E comes complete with the robot, EOAT, interlocked wire mesh guarding, infeed conveyor, and robot teach pendant. FANUC's PalletTool Turbo software is pre-installed on the robot to simplify operation. Product changeover typically occurs in 15 minutes or less. System options include Allen Bradley CompactLogix PLC with Allen Bradley PanelView Plus touchscreen HMI, tier sheet feeding, and upgrade to polycarbonate safety guarding. ESS integrates the Mini Cell-E with off-the-shelf serialization systems from OEMs to provide track & trace capability to the pallet cell.

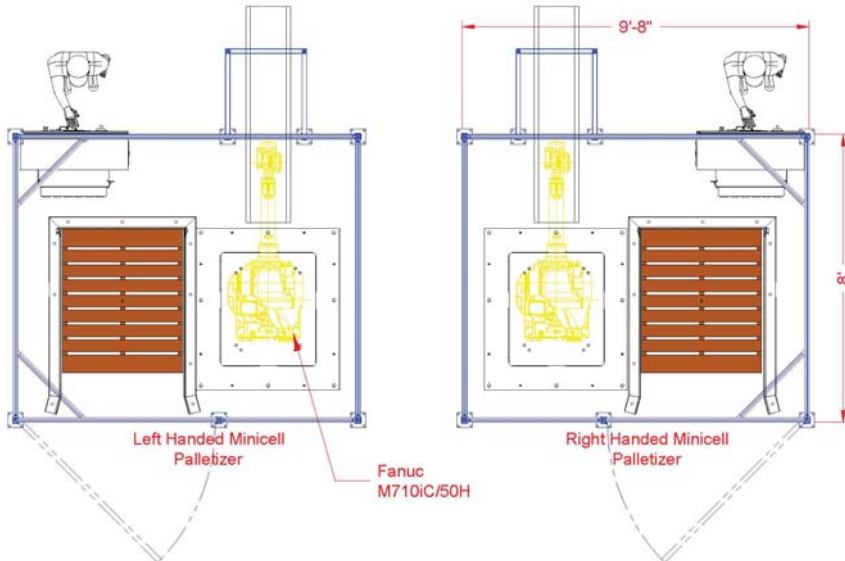
ESS Technologies, Inc. also designs full size palletizing systems to meet any application. See ESS Application Note, "Robotic Pallet Cell Configurations" for more information.

Technical Specifications

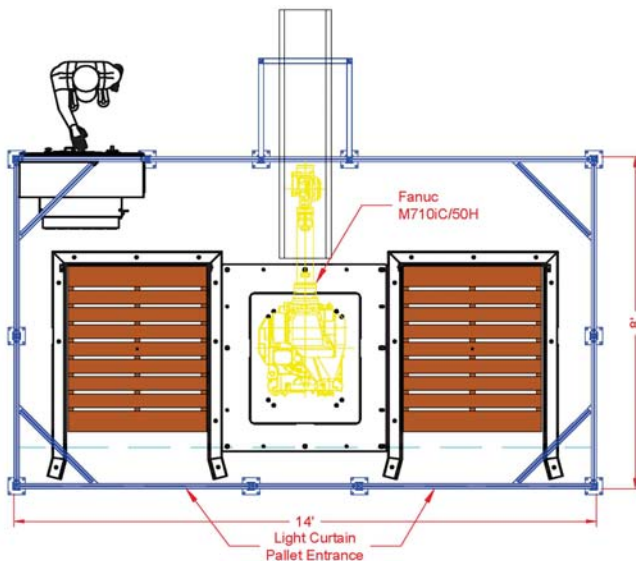
| Item | Specification |
|-------------------------------------|-------------------------------------|
| Speed | 20 Cases per Minute |
| Payload Capacity | 50 kg |
| Pallet Size | Accommodates all std. pallet sizes. |
| Pallet Cell Footprint (single cell) | 116" L x 96" W x 78" H |
| Pallet Cell Footprint (dual cell) | 168" L x 96" W x 78" H |
| Standard Voltages | 208V, 240V, 480V, 3-Phase, 60Hz |

Options

- Allen Bradley CompactLogix PLC
- Allen Bradley PanelView Plus 600 Touchscreen HMI
- 1-In 2-Out Pallet Cell Configuration
- Tier Sheet Dispensing
- Upgrade Safety Guarding from Wire Mesh to Polycarbonate Panels



Footprints for Single Pallet Cell



Footprint for Dual Pallet Cell



Serialization Case Labeler



Barcode Readers for Case Serialization Labels



Optional Deck/Tier Sheet Dispenser

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 Packaging Machine Design & Integration

