

# Innovative Packaging Machinery



## Company Profile

### Overview

ESS Technologies, Inc., founded in 1993, specializes in complete packaging line design, equipment manufacturing, and integration. ESS is an authorized FANUC America robotics system integrator and Strategic Relationship Partner for secondary packaging and palletizing of pharmaceuticals and cosmetics. Our full line of packaging machinery includes:

- Monoblock Fillers / Cappers; 120bpm max.
- Horizontal Cartoners; 200cpm max.
- Vertical Cartoners; 30cpm max.
- Vertical Case Packers; 25cpm max.
- Wrap Around Case Packers; 30cpm max.
- Robotic Palletizing Systems; 40cpm max.
- TaskMate® Robotic Systems for loading and unloading, collation, pick and place, and test kit assembly

ESS engineers work closely with each customer to develop detailed information concerning the desired level of automation, equipment specifications, OSHA requirements, flexibility, and future expansion. The end result is an ergonomic, efficient, and cost-effective production line that requires a minimum of operator training and can be easily retrofitted for future applications. The design team has more than 100 years of combined experience in project engineering, project management, system integration, electrical systems design, mechanical design, robotic end-of-arm tooling, and more. This combination allows ESS to specify a complete packaging line from end-to-end, selecting the best equipment to integrate with our custom designed components in order to meet the application requirements.

As a system integrator, ESS offers packaging machinery with integrated serialization systems to meet



ESS Technologies, Inc. is headquartered in Blacksburg, Virginia

pharmaceutical track and trace mandates. ESS has extensive experience integrating our cartoners, case packers, and robotic palletizers with serialization systems from OEMs. ESS works seamlessly with today's industry leaders in off-the-shelf serialization track and trace equipment to create end-to-end packaging lines that can meet the emerging standards for pharmaceutical e-pedigree.

The ESS team has designed complete packaging lines for Pharmaceuticals, Diagnostics, Medical Device, Cosmetics, Nutraceuticals, and Consumer Products. Our equipment is engineered to meet applicable industry standards and production requirements. ESS engineers custom design end-of-arm-tooling (EOAT) for integrated FANUC robots, which allow the precise handling of components and packaging materials. The superior combination of innovation and integration has allowed ESS Technologies, Inc. to design solutions for a broad range of applications including machine loading, single or multi-cell palletizing, inspection and vision, pucking/de-pucking, material/product handling and rejection, automated assembly, tray loading, case packing, product orientation, and medical device assembly. Engineered for reliability, ESS Technologies' innovative solutions offer you innovative packaging machinery solutions.



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## All ESS Technologies, Inc. Products

- Meet cGMP Requirements • Offer Small Footprints
- Have Quick, Repeatable Changeovers • Include a Variety of Options

### Monoblock Fillers/Cappers



- MB Series Fills/Caps up to 120 Bottles per Minute
- Liquids, Powders, and Creams
- Intrinsically Safe Controls Available

### Automatic Cartoners



- SC Series Horizontal Cartoner; 200 Cartons per Minute
- VC Series Vertical Cartoner; 30 Cartons per Minute
- Integrates with Serialization Equipment

### Case Packers



- V30 Series Robotic Case Packer; 20-25cpm
- WA Series Wrap Around Case Packer; 30cpm
- CEL5 Series Case Erector/Loader; 5-6cpm

### TaskMate® Robotic Systems



- Robotic Loading / Unloading
- Robotic Pick-and-Place Applications
- Robotic Collation and Assembly

### Robotic Palletizers



- Speed Up to 40 Cases per Minute
- Integrates with Serialization Equipment
- Single Cell or Multi Cell Configurations

### Serialization System Integration



- Track & Trace Cartoners, Case Packers and Pallet Cells
- ESS Integrates Serialization Systems from OEMs
- Meets Pharmaceutical Serialization Mandates

**ESS**  
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Packaging Machine Design & Integration



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