VERTICAL PACKER / F III WITH ICE
Case erecting and gravity side-load case packing

The BluePrint Automation VP/F III with ICE is a gravity case packer equipped with our robotic integrated case erector. This BPA system was designed to maximize floor space, making it the most compact case packer/erator in the industry! The efficiency of this case erector has been tested and proven to exceed that of a typical remote case erector thus maximizing your case erector efficiency and maintaining overall line efficiency. Benefits of this system include:

- Increased efficiency at less overall cost: No need for additional conveyors or case handling equipment!
- Small and Compact Footprint
- Easy Horizontal Loading of Case Stacks: Designed so stacks do not have to be perfectly square
- Quick and Simple Installation
Our company and solutions...
We built our reputation with systems that load bags, pouches and other flexible packages into cases and other secondary containers. With over 30 years of experience, BluePrint Automation offers a large choice of standard and customized solutions sure to meet your packaging requirements.

How the “ICE” works...
A stack of case blanks are loaded into the system on a case in feed conveyor. After loading the predetermined number of cases, conveyor moves stack to its pick position making room for operator to load another stack. Prior to picking first blank, the top four cases are squared using two cylinders. Once squared, the robot picks the top blank and positions above the place position (tipper). The robotic arms then opens the case using suction cups. Once blank is opened case is moved towards the tipper and both minor flaps are folded. Tipper takes case to load position and robot goes back to pick position for next cycle. Once case is fully loaded, the case is tipped back 90 degrees and major flaps are folded during transfer to discharge conveyor.

Machine characteristics and specifications:

- **Increased efficiency at less overall cost**: No need for additional conveyors or case handling equipment!
- **Small and Compact Footprint**
- **Easy Horizontal Loading of Case Stacks**: Designed so stacks do not have to be perfectly square
- **Quick and Simple Installation**

**Construction:**
Painted carbon steel or stainless steel available. Varying degrees of wash down if required.

**Safety:**
Fully guarded and interlocked. Power to customer’s specifications

**Speed:**
- **Casepacker**: Up to 60 bags per minute on patterns with 1 row. Up to 90 bags per minute on patterns with more than 1 row.
- **Integrated Case Erector**: Up to 10 cases per minute.

**Examples:**
frozen potato and other heavier frozen and fragile products, bird seed, grass seed, etc.