

## PRODUCT BULLETIN

*Wrabacon, Inc.* designs and manufactures a wide variety of quality and innovative custom product handling systems. These include Product Feeders, Pick and Place Systems, Product Merging, Product Dividers, Product Stackers and Destackers, Semi-Automatic Case Erectors, Product Accumulators, Container Handling, Tray Stackers, and Conveyors.

### ROBOTIC PICK AND PLACE SYSTEM

Wrabacon custom designed and manufactured a robotic feeding system that automatically feeds stacks of trays from a manually loaded conveyor to a robotic pick and place system.

**How the System Works:** Operators manually load stacks of product onto an indexing conveyor. The conveyor indexes the stacks into the load position where a pneumatic pusher advances one stack onto a platen. The platen is attached to a vertical pneumatic cylinder. After the stack is loaded, the platen lowers to a position so the top of the stack is located at the pick point of the robot. Once in position, the robot picks the top article from the stack and places it onto a takeaway conveyor. As the stack is emptying, the cylinder lifts the platen so the top of the stack is located at the pick point of the robot. This continues until the stack is emptied and loaded onto the take away conveyor. The platen will then remain in the upper position until a new stack is loaded. The process then continues.

