

# Robot Pick & Place Palletizer™



## NEW READY-TO-WORK PALLETIZER

- Best value: palletize any production line
- Smallest footprint available for full-featured automatic palletizing
- Product handled from the bottom
- Easy to use and ready to run
- Highest safety rating

**TopTier** palletizers are mission-critical components of automated end of line packaging operations for food, beverage, and consumer packaged goods manufacturers. TopTier is the global leader in technology and value – providing palletizing solutions with speed, flexibility, and dependability for 24/7 operations. TopTier installs single palletizers or systems integrated with existing conveyor and other material handling equipment to drive productivity and increase efficiency. New patented technologies from TopTier make palletizing reliable, easy, safe, and energy efficient.

### MODULAR ENGINEERING

Palletizer model groups share common functional modules and frame systems to provide comprehensive palletizer solutions. Shared modules maximize layout flexibility while reducing cost through increased manufacturing and machine controls efficiencies. Modular engineering means quality control and complete flexibility in the configuration of machine components. No customization is required. The orientation of induction and load exit meet your exact requirements.

## FULL FEATURED VALUE SOLUTION

TopTier's low infeed Robot Pick and Place palletizer provides unmatched capabilities for low to moderate rate applications at a price point allowing any production line to be automated. This palletizer has the smallest footprint of any full-featured palletizing solution.

- Smallest footprint available for automatic palletizing: only 89" wide by 129" long
- Patented Sweep Turn infeed builds precise rows at rates higher than competitive solutions
- All products 100% bottom supported
- Nearly any product can be palletized including open top display cases, telescoping lid cases, and trays
- 6"x6" to 24"x16" products handled automatically
- Allen Bradley controls with servo controlled pick and place motion
- 9" PanelView HMI with intuitive graphics interface to manage patterns and tune machine functions
- Category 3 PLd safety standard with controlled entrance preventing hazard exposure
- Configurable to fit in any space with three load exit or entrance sides
- Automatic pallet handling, pallet dispensing, load exit, and sheet insertion modular options available
- 10 to 12 cases per minute

## SAFETY FIRST

TopTier's Robot Pick and Place palletizers are a fully integrated purpose built palletizing solution, as opposed to an assembly of a robot, guarding, end of arm tooling with separate controls. Each frame element is an integral part of a Category 3 PLd controlled entrance safety enclosure. 100% bottom supporting row build and pick and place systems are integrated into the frame structure, including Allen Bradley controls. Safety is not an accessory. The integrated safety system with controlled entrance protocols prevent hazard until the safety system affirms safe conditions exist.

## BOTTOM SUPPORT

Limitations of nearly all robot pick to pallet solutions are products being palletized must be suitable for vacuum top picking with rate potential limited due to single case pick to pallet cycles. TopTier's new Robot Pick and Place has overcome such limitations combining patented row building technology with an Allen Bradley servo-controlled row pick and place solution where product is 100% bottom supported until deposited on load. The resulting solution achieves higher rates, can handle nearly any product and is delivered 100% assembled ready for work in the smallest and most configurable footprint available.

Each pick and place cycle handles a full row precisely and independently assembled in parallel to pick and place cycles resulting is lower mechanism speeds with greater reliability, higher rates while building superior loads. Regardless of the product footprint, the row bottom support floor automatically adjusts to product size using patent pending technology. At deposit, the support floor is pulled out from under the row placing the row exactly as required for a tight layer and load.

**“The Robot Pick and Place  
is truly plug and play.  
Position with a forklift and  
it's ready for work.”**

David Snelson, Director of Sales



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