Robot Pick & Place Palletizer™

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

West Coast Supplies (WCS) palletizers are mission-critical components of automated end of line packaging operationsfor food, beverage, and consumer packaged goods manufacturers. WCS is the global leader intechnology and value – providing palletizing solutions with speed, flexibility, and dependabilityfor 24/7 operations. WCS installs single palletizers or systems integrated with existing conveyorand other material handling equipment to drive productivity and increase efficiency. New patentedtechnologies from WCS 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

WCS 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

Robot Pick and Place palletizers are a fully integrated purpose built palletizing solution, as opposedto an assembly of a robot, guarding, end of arm tooling with separate controls. Each frame element is anintegral part of a Category 3 PLd controlled entrance safety enclosure. 100% bottom supporting row buildand pick and place systems are integrated into the frame structure, including Allen Bradley controls. Safetyis not an accessory. The integrated safety system with controlled entrance protocols prevent hazard until thesafety 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. The new RobotPick and Place has overcome such limitations combining patented row building technology with an AllenBradley servo-controlled row pick and place solution where product is 100% bottom supported until depositedon 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.