

# Cross Automated Palletizer



Turn-key, mobile palletizing platform utilizing a 6-axis collaborative robot.

Easy palletizing software eliminates the need for complex programming and allows the system to be used immediately.

Ready to run out of the box, no complex integration or wiring required.

## Key Features:

- Mobile - easy to move via a pallet jack or forklift
- Easy palletizing software - enter key information and software calculates robotic movements. Does not require complex programming.
- Utilizes collaborative robot which eliminates the need for safety fencing in most palletizing applications.
- No wiring to conveyor system required
- Pallet detection/location sensors

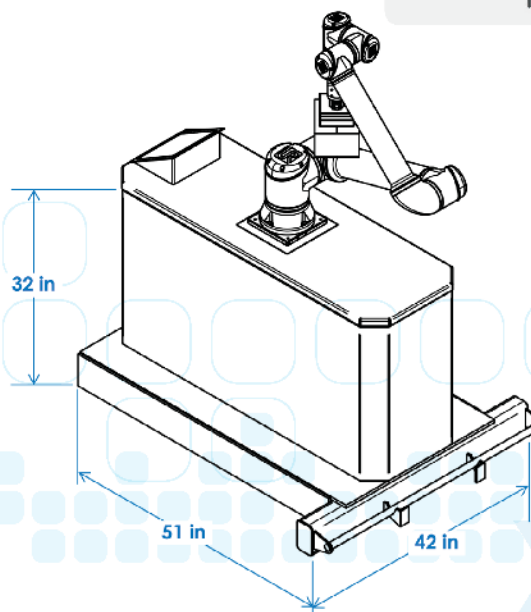
## End-of-Arm Tooling

- Standard vacuum gripper offering covers most palletizing applications
- External compressed air is needed
- Ability to customize end-of-arm tooling if needed



## System Specifications

- 48" x 42" maximum pallet size (will accommodate smaller standard sizes)
- 62" Maximum pallet stack height
- 6"x6"x4" minimum box size
- Maximum box weight: 16 lbs
- Pick Speed: 8 boxes per minute
- Power: 110 VAC  
Air: Compressed air source required with standard end-of-arm tooling.
- E-Stop auto recovery
- Easy Palletizing Software



## Easy Palletizing Software

The Easy palletizing software eliminates the need for advanced robotics programming. It requires the user only input 3 key sets of information:

1. Box dimensions (W x L x H)
2. Pallet size - Pallet Width, Pallet Length, Pallet Height, Box Stack Height
3. Conveyor dimensions - Conveyor Height, Conveyor Located Indicator (sensor on the palletizer to verify conveyor is located and in place, red or green indicator light on the screen)

With this information the software automatically calculates and commands the robot movements.

**Box Configuration**

Weight: 16 lbs

Length: 10 in

Width: 8 in

Height: 8 in

Cancel OK

The diagram shows a 3D box with dimensions Length, Width, and Height. Below the box is a conveyor belt with a 'Conveyor Direction' arrow pointing right.

→ **Step 1** - Input box dimensions.

**Step 2** - Input the pallet size parameters and stack height.

**Pallet Configuration**

Length: 48 in

Width: 48 in

Pallet Height: 6 in

Stack Height: 60 in

Cancel OK

The diagram shows a 3D pallet with dimensions Length, Width, and Pallet Height. A stack of boxes is shown on top of the pallet, with a dimension for Stack Height.

**Conveyor Configuration**

36 in

Cancel OK

The diagram shows a side view of a conveyor belt with a height dimension of 36 in.

→ **Step 3** - Input conveyor location information.

## OPTIONAL ADD-ON FEATURES

- IoT with reporting
- Custom end-of-arm tooling
- Training
- Safety Scanner
- Safety System Ready
- Onsite start up support
- WiFi connectivity
- OPC connectivity