

COLLABORATIVE PALLETIZING ROBOT

Featuring a fully collaborative design, the PalletizHD requires no caging or guarding to operate.

PALLETIZHD™

ONExiaRobotics

The PalletizHD is designed and built by ONExia, a robotics integrator located in Pennsylvania.

DOOSAN



What it means to be "HD"

The PalletizHD is one of the most robust collaborative palletizers on market. Built on a durable and portable welded frame, the "HD" easily automates palletizing applications that are typically done by human labor.

- **High payload cobot** - featuring a 40 lb payload, the "HD" can handle heavy cases that are difficult for humans to consistently stack.
- **Increased pick rate** - using a custom end-effector, multiple lighter weight cases can be picked at once.
- **Vertical reach** - the "HD" is capable of stacking pallets over 96 inches in height by utilizing the built-in collaborative lifter.

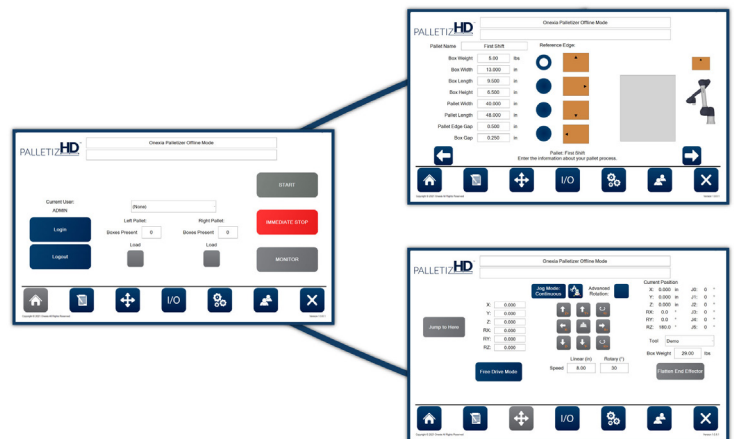
No Programming Needed!

The PalletizHD comes with our custom drag-and-drop palletizing software preloaded on the touchscreen interface.

SOFTWARE FEATURES

The PalletizHD can be quickly adjusted for new pallet configurations as production demands change.

- **Simplified interface** - control the entire system through the embedded touch screen.
- **Drag-and-drop software** - build pallets with no programming needed.
- **Pallet library** - save and recall 100's of pallets for even quicker changeover.



System Specifications

Each PalletizHD system includes the palletizer base and a Doosan H-Series H2017 Collaborative Robot.

MACHINE DETAILS

- Lifter travel: 27.375"
- Mobility: fork pockets for pallet jack or forklift
- HMI specs: 12.1" touchscreen
- Pallet sensors: Photoeyes for pallet presence
- Power: single phase, 115 VAC, 15 amps
- Air consumption: 80 psi / 2.5 cfm

CYCLE TIME

- Up to 7 picks per minute*
- *Higher rates may require additional safety

PALLET DIMENSIONS

- Maximum pallet height: 96"+ (application specific)
- Maximum pallet width: 48"
- Maximum pallet depth: 40"
- Slip sheets: Yes

CARTON/PAYLOAD

- Minimum box size: weight dependent
- Maximum weight: 40 lbs (+/- tooling weight)
- Maximum box size: weight dependent

STANDARD SAFETY

- The PalletizHD runs collaboratively out of the crate with no additional safety required.

ADDITIONAL SAFETY OPTIONS

- **Area Scanners***
 - Slows robot if someone is in work area
 - **Hard Guarding***
 - Complete guarding for work-cell
- *All available for additional cost