

UNIVERSAL ROBOTS PALLETIZER

A portable, collaborative palletizing system that requires no programming to operate.

PALLETIZUR™

ONExia Robotics

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

UNIVERSAL ROBOTS



Turn-key Robotic Automation

The PalletizUR is a flexible, robotic palletizing system that provides end-users the features needed to quickly set up a robot to stack boxes or other standardized products for final shipment.

SYSTEM FEATURES

The PalletizUR requires no programming and can be deployed to packaging lines in under an hour.

- **Minimal footprint** - no guarding or caging needed
- **Portable** - easily moved with a forklift or pallet jack
- **Collaborative** - full rating for entire system
- **Quick deployment** - requires an outlet and an air line
- **Continuous operation** - palletize to both sides

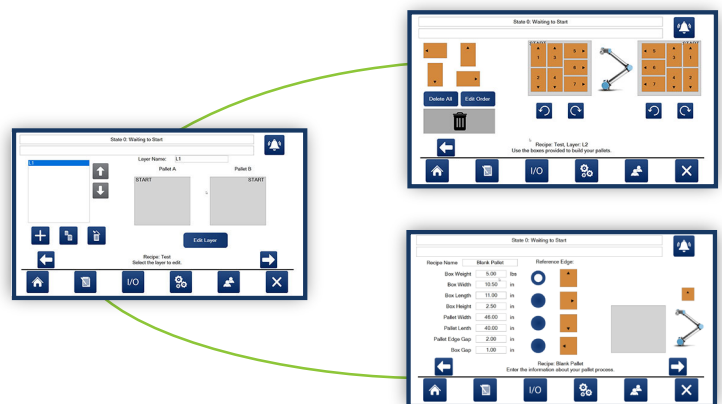
No Programming Needed!

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

SOFTWARE FEATURES

The PalletizUR can be quickly adjusted for new pallet Ideal for non-technical staff, the PalletizUR eliminates the cobot teach pendant providing a simplified user experience.

- **Simplified interface** - control the entire system through a single touchscreen
- **Drag-and-drop software** - build and edit pallet configurations without writing a line of code
- **Pallet library** - easily save and recall different pallet configurations based on production demands



System Specifications

Each PalletizUR system includes the palletizer base and a Universal Robots UR20 Collaborative Robot.

MACHINE DETAILS

- Lifter travel: up to 27.375" (robot specific)
- Mobility: fork pockets for pallet jack or forklift
- Steel enclosure (HMI): not rated
- 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: 58 lbs (+/- tooling weight)
- Maximum box size: weight dependent

STANDARD SAFETY

- The PalletizUR 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