

VERSION 2.0

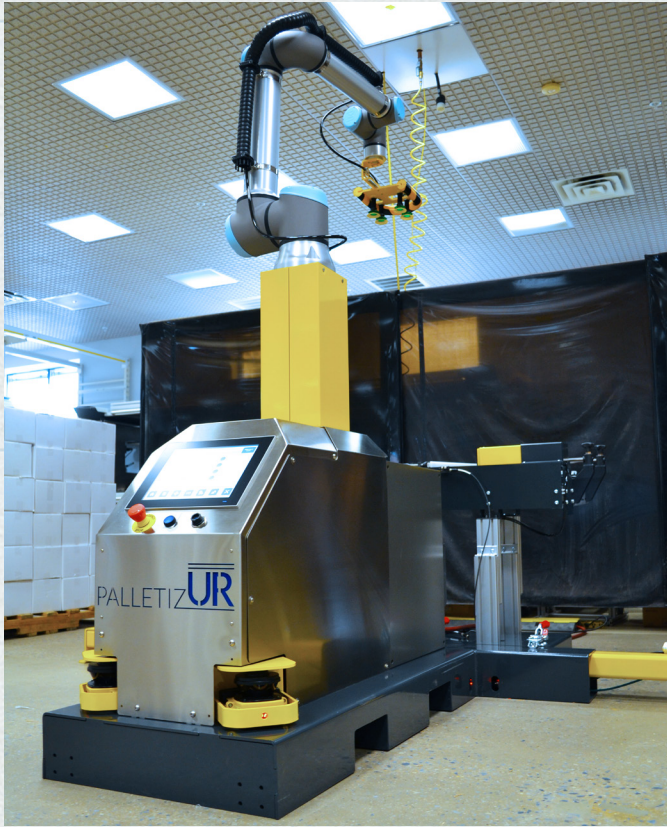
PALLETIZURTM

A portable, collaborative palletizing system.

palletizur.com

COLLABORATIVE PALLETIZER

A robotic palletizer is a robotic cell that is designed to stack boxes and other standardized products onto a pallet for final shipment. By using robots for palletizing, existing employees are able to work value added tasks - let the robot do the work!



Introducing the PalletizUR™

The PalletizUR combines a robotic palletizing cell with a collaborative robot. This mobile system requires no written code to program and is ready to work in minutes!

Palletizing with a Collaborative Robot

Being collaborative means it works along-side workers, cage-free! This allows a palletizing robot system to be added to an existing line without additional guarding or fencing making set-up simple and non-invasive.

*Recommended: A safety risk assessment performed by end-user

Eliminate Manual Operations

By eliminating the manual processes of stacking boxes, workers are removed from a job where ergonomic injuries are likely to occur. This frees a valuable skilled laborer to work on a higher value-added task.

Position.

The compact design makes it capable of being positioned anywhere within the reach of the out-feed conveyor.

Plug-in.

The PalletizUR requires a single, standard, 115 volt outlet and an airline - no specialty connections!

Production.

After the box detection sensor is mounted to the conveyor the system is ready for production.



SYSTEM FEATURES

The PalletizUR is a flexible palletizing system that provides end-users the features needed to quickly setup a robot for packing and palletizing boxes or other standardized products for final shipment.



DURABLE AND PORTABLE

Easily move with a fork lift or pallet jack.



MINIMAL INTEGRATION

A plug-and-play system that is ready to work in minutes.



CUSTOM END-EFFECTORS

Easily swap end-effectors as products change.



PALLETIZUR™ SOFTWARE

Drag-and-drop pallet configuration.



CONTINUOUS OPERATION

2-pallet reach for continuous production.



AUTO-HEIGHT ADJUSTMENT

Auto adjustment to pallet height specs.

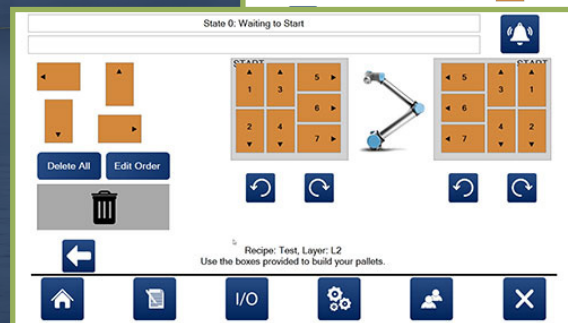
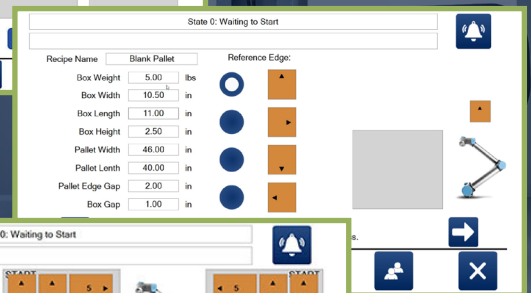
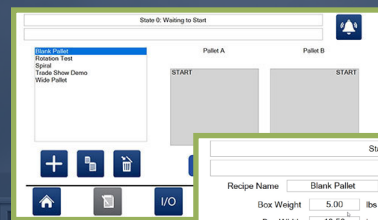
ROBOTIC PALLETIZING SOFTWARE

NEW WITH VERSION 2.0: No teach pendant!

Using the OEM Version of the Universal Robot 10e cobot, the entire system is controlled through one HMI - creating an easier user-experience for programming.

PalletizUR™ Software Features

- Easy-to-use graphic interface
- Drag and drop pallet array building
- Copy and rotate options for layer stacking
- Quickly switch between A/B pallets
- Save hundreds of pallet programs
- Program remotely - load in through USB



PALLETIZUR™

MACHINE SPECIFICATIONS

The PalletizUR™ details below are based on a standard shipped unit. Additional safety devices and guarding can be added if your application requires.

Machine Details

- Maximum reach: 52"
- HMI specs: 12.1" Touch Screen
- Repeatability: ¼"
- Mobility: Fork pockets for pallet jack or forklift
- Safety: Optional guarding, safety scanners, etc.
- Stainless steel enclosure (HMI): not rated
- Digital inputs available for interfacing: 5
- Digital outputs available for interfacing: 1
- Pallet sensors: Photoeyes for pallet presence
- Power: Single phase, 115 VAC, 15 amps

Pallet Dimensions

- Maximum pallet height: 70" (application dependent)
- Maximum pallet length: 48"
- Maximum pallet width: 40"

Carton/Payload

- Minimum box size: 8" x 8" x 3"
- Maximum weight: 18 lbs (+/- tooling weight)
- Maximum box size: limited by weight

Cycle Time

- Average 5 cycles per minute*

* Higher rates can be met with additional safety devices.

* A safety assessment should be performed at installation.

Conveyor Dimensions

- Height from floor: 24" - 36"
- Placement from base: 12" - 18"
- Optional: single & dual nest conveyor end

Standard Safety

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

*Recommended: A safety risk assessment performed by end-user

Additional Safety

Area Scanner (up to 4)*

Slows robot if someone is in work area

Hard Guarding*

Complete guarding for work-cell

*All available for additional cost

About PalletizUR™

PalletizUR™ is an off the shelf, palletizing solution designed by ONExia Inc. in Exton, Pennsylvania.

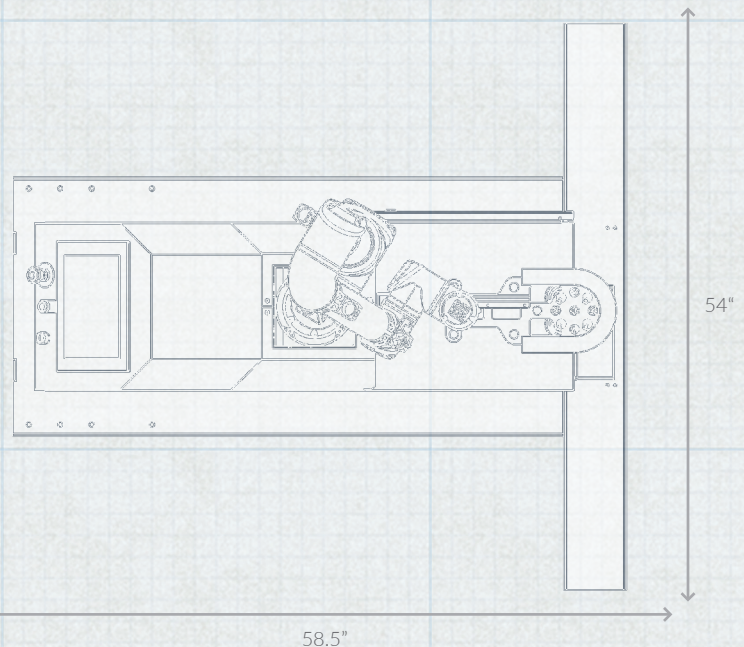
ONExia, a regional integrator of Universal Robots saw an increased demand for palletizing systems in various applications.

By combining their expertise in precision positioning, robotics, and software they were able to create a product that gives end-users the ability add a palletizing solution into their new or existing packaging line with no integration and no programming!

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Local Distributor



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