PALLETTIZUR
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.

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 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 PALLETTIZING SOFTWARE

Our palletizing software features an intuitive graphic interface that works directly with robot. End-users build pallets by entering dimensions and dragging boxes into the position they are to be placed.

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
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: 10.1” Touch Screen
- Repeatability: ¼”
- Mobility: Fork pockets for pallet jack or forklift
- Safety: Optional guarding, safety scanners, etc.
- 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: 62”
- Maximum pallet length: 48”
- Maximum pallet width: 40”

**Carton/Payload**

- Minimum box size: 8” x 8” x 3”
- Maximum weight: 16.5 lbs (+/- tooling weight)
- Maximum box size: limited by weight

**Cycle Time**

- Collaborative - 5 boxes per minute*
* Higher rates can be met with additional safety devices.

**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*
  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 distributor and 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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