

# PALLETPOD

the mobile compact palletizer



## SECURELY STACK:

Cartons/Boxes  
Display cases  
Bags  
Trays  
Kegs  
Pails  
Bails  
Almost anything!

**Reduce**  
your dependency  
on manual labor

**Eliminate**  
costly repetitive  
motion injuries

**Increase**  
production up-time,  
productivity, quality

**Simplify**  
and compress your  
implementation

**Accelerate**  
your payback

Patented. Made in the USA

## PRODUCT RANGE

Mobile Compact  
Palletizers

Mobile Stretch-Wrapping  
Palletizers

Mobile Compact  
Depalletizers

Mobile Dual Station  
Palletizers and  
Depalletizers

A plug-and-play machine  
for stand-alone use  
or configured for fully  
integrated automation

## SPECIFICATIONS

### PALLET TYPES

CHEP, GMA, Euro, and other  
custom pallet sizes

### STACKING RATE

Up to 24 items per minute

### STACKING HEIGHT

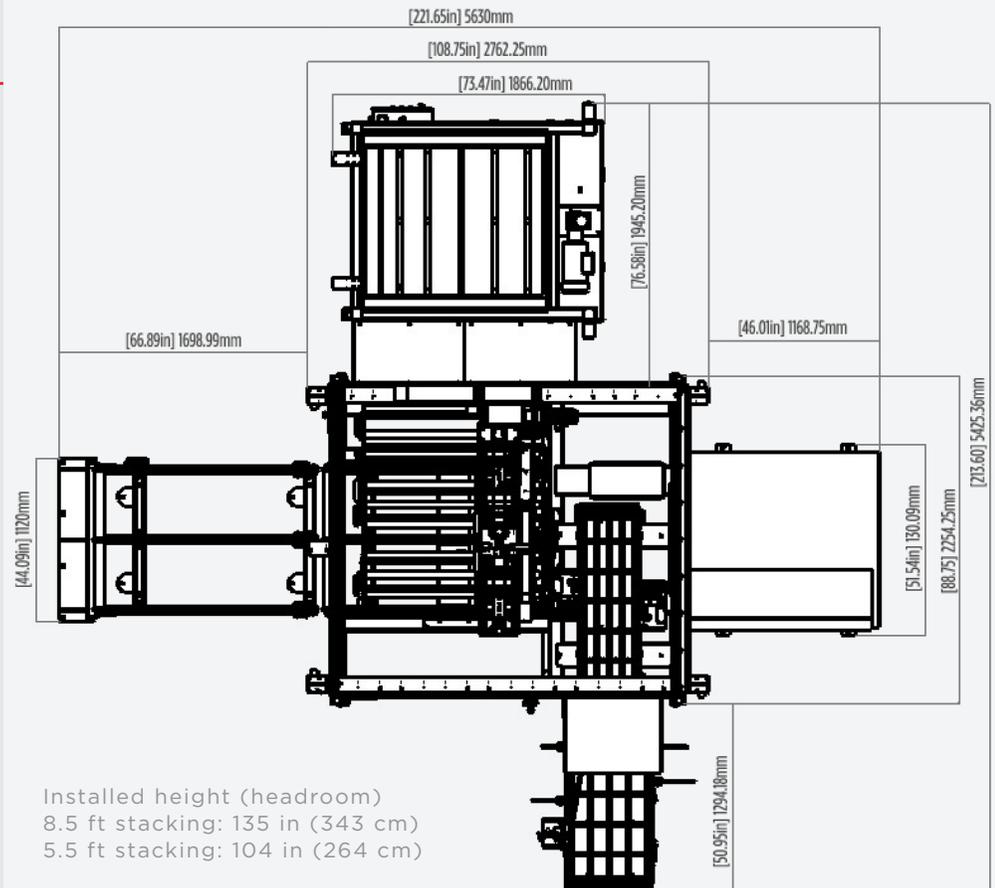
Up to 108 in (274 cm)

### ITEM LIFTING CAPACITY

Up to 120 lb (54 kg)

### OPERATING ENVIRONMENT

40-90°F (4-32°C) standard, wash  
down and freezer models available



Installed height (headroom)  
8.5 ft stacking: 135 in (343 cm)  
5.5 ft stacking: 104 in (264 cm)

Base unit weight  
1-Station: ~3300 lb (1500 kg)  
1-Station w/ Stretch Wrap: ~4300 lb (1950 kg)  
2-Station: ~4400 lb (2000 kg)

### STRETCH WRAPPER SYSTEM

Concurrently palletizes and stretch  
wraps in one machine

### TOOLING

Single and multi-zone vacuum or  
electro-mechanical gripper

### POWER OPTIONS

208/230 VAC - 3p 24 amps  
460 VAC - 3p 12 amps  
575 VAC - 3p 10 amps

### COMPRESSED AIR

13-20 scfm @80 psi

### STRUCTURAL ENCLOSURE

Diamond plate and wire  
mesh or polycarbonate  
panels on three sides

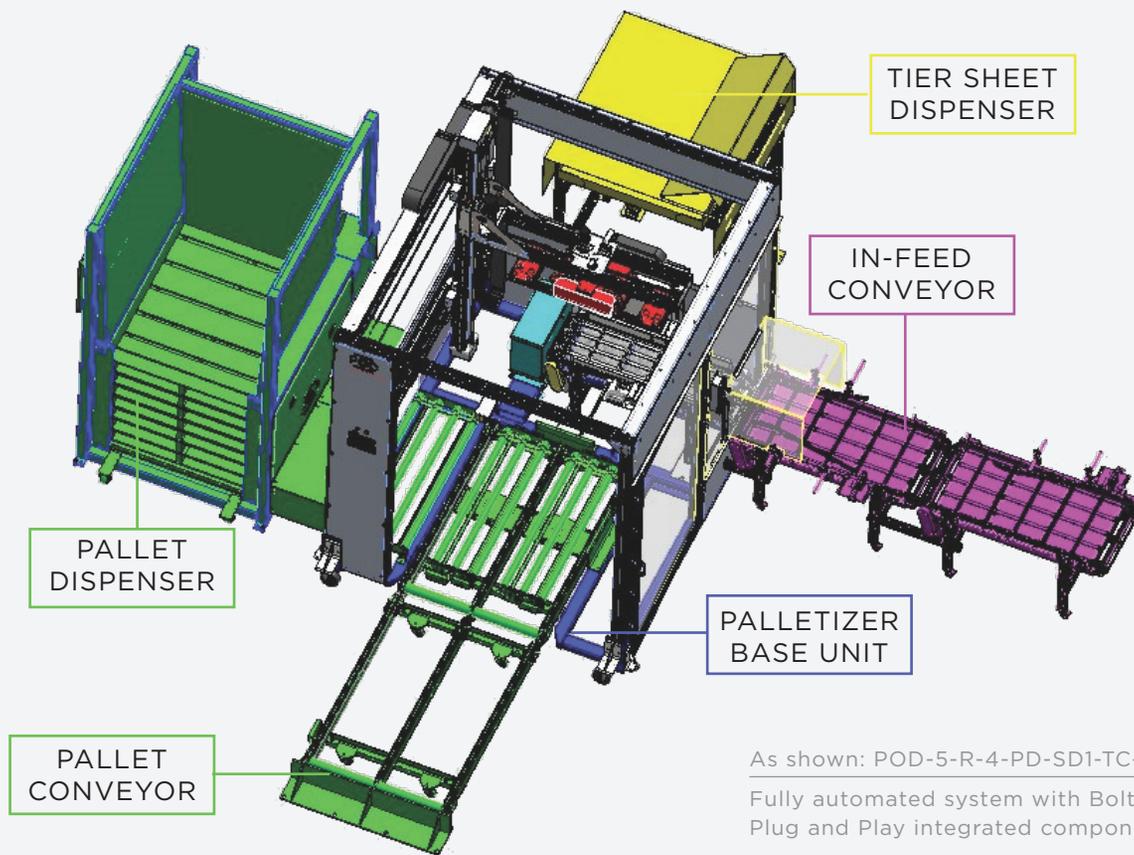
### ELECTRICAL ENCLOSURE

UL Listed and CE / CSA  
Certified

### CONTROLLER

Yaskawa servo motors,  
drives, and PLC

Red Lion HMI



## MACHINE CONFIGURATION NOMENCLATURE

POD - SW - 8 - L - 4 - PD - SD1 - TC - VG

### MODEL

1-Station Palletizer = POD  
2-Station Palletizer = POD2  
1-Station Depalletizer = DPOD  
2-Station Depalletizer = DPOD2

### STRETCH WRAPPER

(Single station only)  
Stretch Wrapper = SW

### STACK HEIGHT

5.5 ft = 5  
8.5 ft = 8

### PRODUCT IN-FEED

Left = L  
Right = R  
Rear = B

### TOOL

VG = Vacuum Gripper  
MG = Mechanical Gripper

### TOOL CHANGER (OPTIONAL)

TC = Automatic Tool Changer

### SHEET DISPENSER (OPTIONAL)

SD1 = Tier or Slip Sheet  
SD2 = Tier and Slip Sheet

### PALLET HANDLING (OPTIONAL)

PD = Pallet Dispenser  
PC = Pallet Conveyor

### SPECIAL ORDER OPTIONS

- Custom End Effectors
- Manual Tool Changers
- In-feed Box Buffering
- In-feed Conveyor and more ...

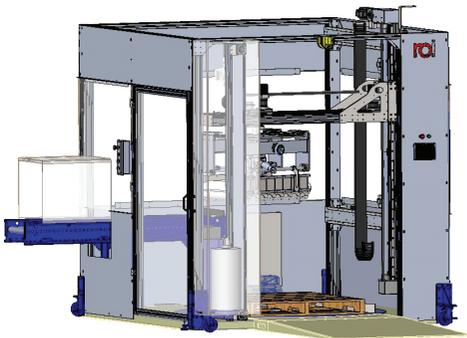


PALLETPOD™ is a made in USA palletizing machine. It is a compact, modular, mobile, and cost effective solution that is easy to specify, validate, install, operate, move, and maintain.

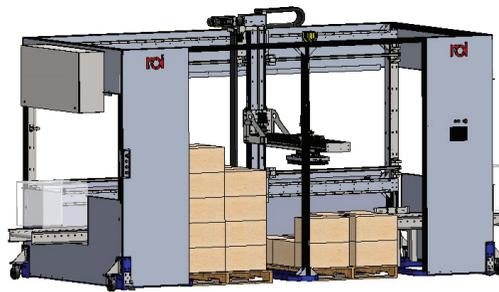
A configurable system for most production facilities, the POD effortlessly handles boxes, display cases, bags, kegs, trays, pails and bails. Category 3 safety rated with a footprint of ~60 ft<sup>2</sup>, the POD stacks product at rates up to 24 items per minute, lifts over 120 lbs. per cycle and can stack up to 9 feet high.

The POD is available with an industry-proven in-process stretch wrapper, as a depalletizer, and as a dual station unit. Productivity-enhancing components including pallet and tier sheet dispensers, box buffering, and other equipment can be bolted on for a fully integrated and automated palletizing system.

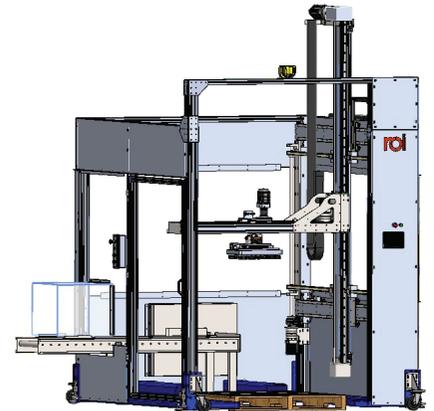
Available for purchase or lease, PALLETPOD is a simple, adaptable, and durable palletizer for stand-alone and highly automated end-of-line operations.



1-Station POD with Stretch Wrapper, 5.5 ft stack height



2-Station POD  
5.5 ft stack height



1-Station POD  
8.5 ft stack height

- ▶ Over 100 different stacking patterns available - new patterns created as needed
- ▶ Plug & play: arrives pre-programmed and assembled to specs - operational in hours
- ▶ Small machine footprint and configurability fit most operational requirements and existing layouts - reduced engineering effort and project lead time
- ▶ Wheels and fork pockets provide place-and-roll mobility as needed - floor bolting is optional for POD base unit operation
- ▶ On-board touch screen HMI controller
- ▶ Modular adaptability supports cost effective bolt-on automation integration
- ▶ Heavy duty welded tubular steel base and structural steel or aluminum framing for low weight / high strength
- ▶ Integrated safety controls and access interlock / safety scanner
- ▶ Standard components to facilitate maintenance and low cost of ownership
- ▶ Parts / service hotline: +1 833 EASY POD or [www.compactpalletizer.com/service](http://www.compactpalletizer.com/service)

ROI INDUSTRIES GROUP, Inc. super heavy duty automation, ergonomic, and productivity solutions include:



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