# PALLETPOD

## the **mobile** compact palletizer

**SECURELY STACK:**

Cartons/Boxes

Display cases

Bags

Trays

Kegs

Pails

Bails

Almost anything!

| **Reduce** | **Eliminate** | **Increase** | **Simplify** | **Accelerate** |
|---|---|---|---|---|
| your dependency on manual labor | costly repetitive motion injuries | production up-time, productivity, quality | and compress your implementation | your payback |

Patented. Made in the USA

# PRODUCT RANGE

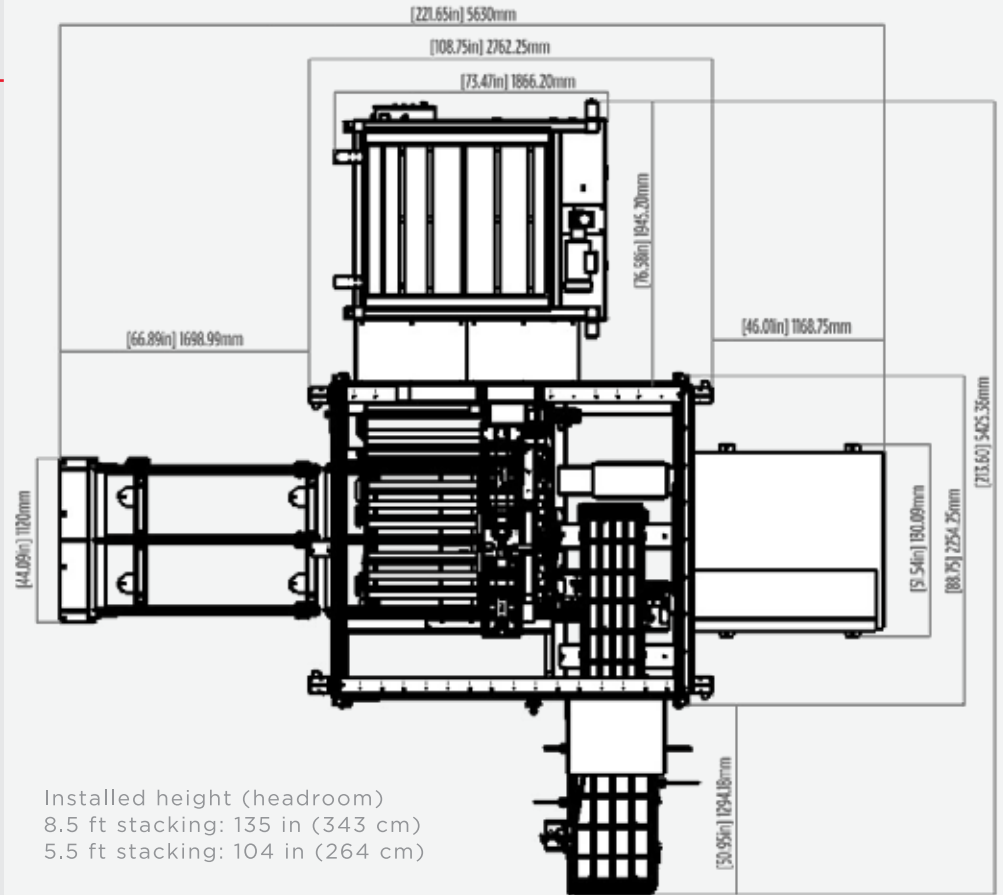**Mobile Compact Palletizers**

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**Mobile Stretch-Wrapping Palletizers**

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**Mobile Compact Depalletizers**

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**Mobile Dual Station Palletizers and Depalletizers**

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



[221.65in] 5630mm
[108.75in] 2762.25mm
[73.47in] 1866.20mm
[76.38in] 1945.20mm
[66.89in] 1698.99mm
[46.01in] 1168.75mm
[213.60] 5425.36mm
[5.54in] 150.09mm
[88.75] 2254.25mm
[44.09in] 1120mm
[50.96in] 1294.18mm

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)

# 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

**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**
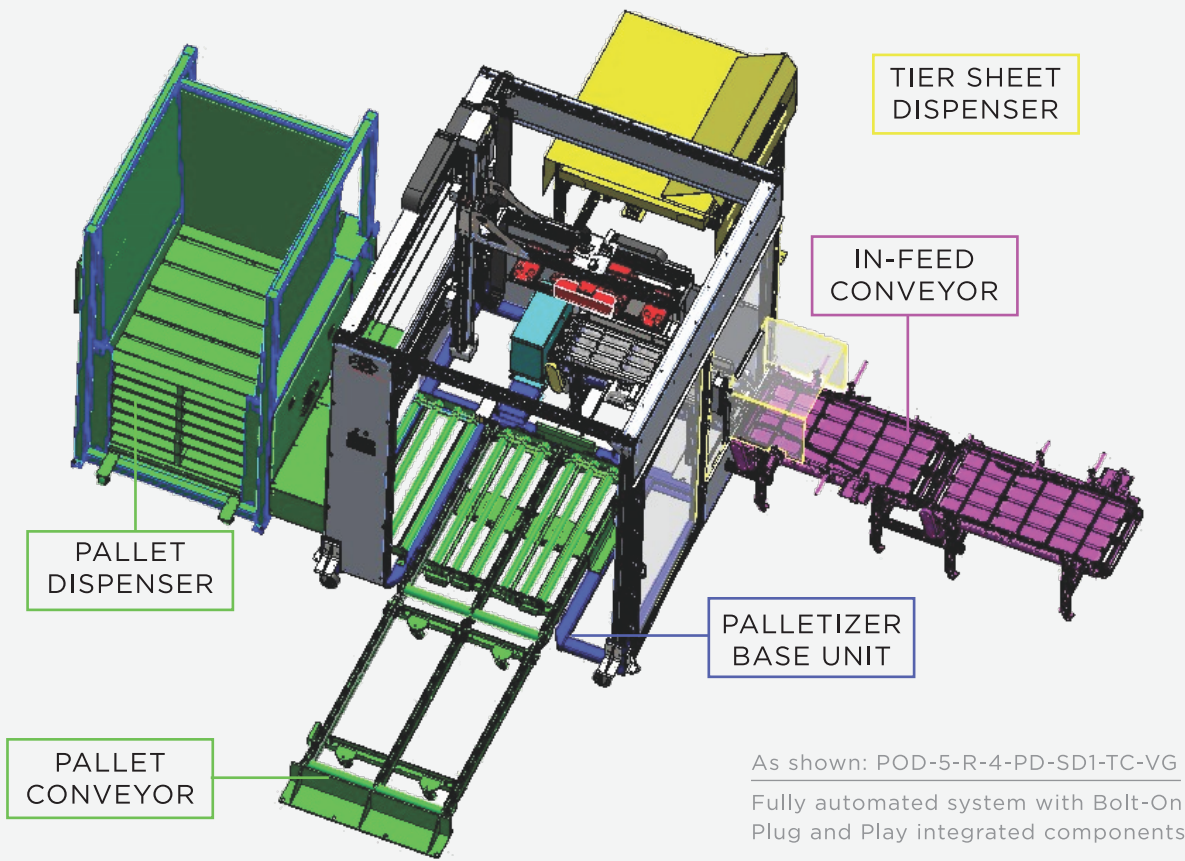Diamond plate and wire mesh or polycarbonate panels on three sides

**ELECTRICAL ENCLOSURE**
UL Listed and CE / CSA Certified

**CONTROLLER**
Yaskawa servo motors, drives, and PLC

Red Lion HMI

TIER SHEET DISPENSER

IN-FEED CONVEYOR

PALLET DISPENSER

PALLETIZER BASE UNIT

PALLET CONVEYOR

As shown: POD-5-R-4-PD-SD1-TC-VG

Fully automated system with Bolt-On Plug and Play integrated components

# MACHINE CONFIGURATION NOMENCLATURE

## POD – SW – 5 – R – 4 – PD – SD1 – TC – VG

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

### TOOL
VG = Vacuum Gripper
MG = Mechanical Gripper

### TOOL CHANGER (OPTIONAL)
TC = Automatic Tool Changer

### STRETCH WRAPPER
(Single station only)
Stretch Wrapper = SW

### SHEET DISPENSER (OPTIONAL)
SD1 = Tier or Slip Sheet
SD2 = Tier and Slip Sheet

### STACK HEIGHT
5.5 ft = 5
8.5 ft = 8

### PALLET HANDLING (OPTIONAL)
PD = Pallet Dispenser
PC = Pallet Conveyor

### PRODUCT IN-FEED
Left = L
Right = R
Rear = B

### POWER
2 = 208 / 230 volts
4 = 460 / 480 volts
5 = 575 volts

### SPECIAL ORDER OPTIONS
• Custom End Effectors
• Manual Tool Changers
• In-feed Box Buffering
• In-feed Conveyor
  and more …

PALLETPOD

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.
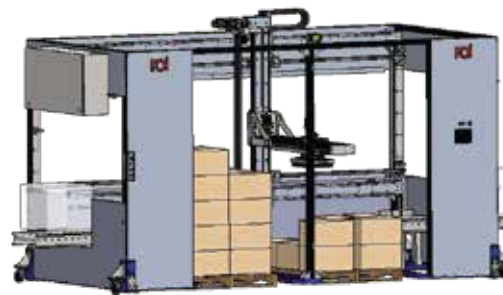
A configurable system for most production facilities, the POD effortlessly handles boxes, display cases, bags, kegs, trays, pails and bails. Category 3 safety rated with a footprint of ~60 ft$^2$, the POD stacks product at rates up to 24 items per minute, lifts over 120 lbs. per cycle and can stack up 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.
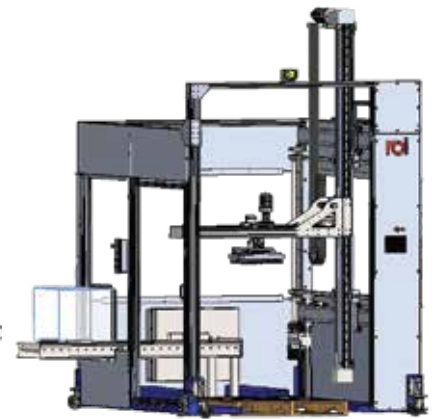
Available for purchase or lease, PALLETPOD is a simple, adaptable, and durable palletizer for stand-alone and highly automated end-of-line operations.



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

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

PALLETPOD | roi machinery & automation | POWERSTAND

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