

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

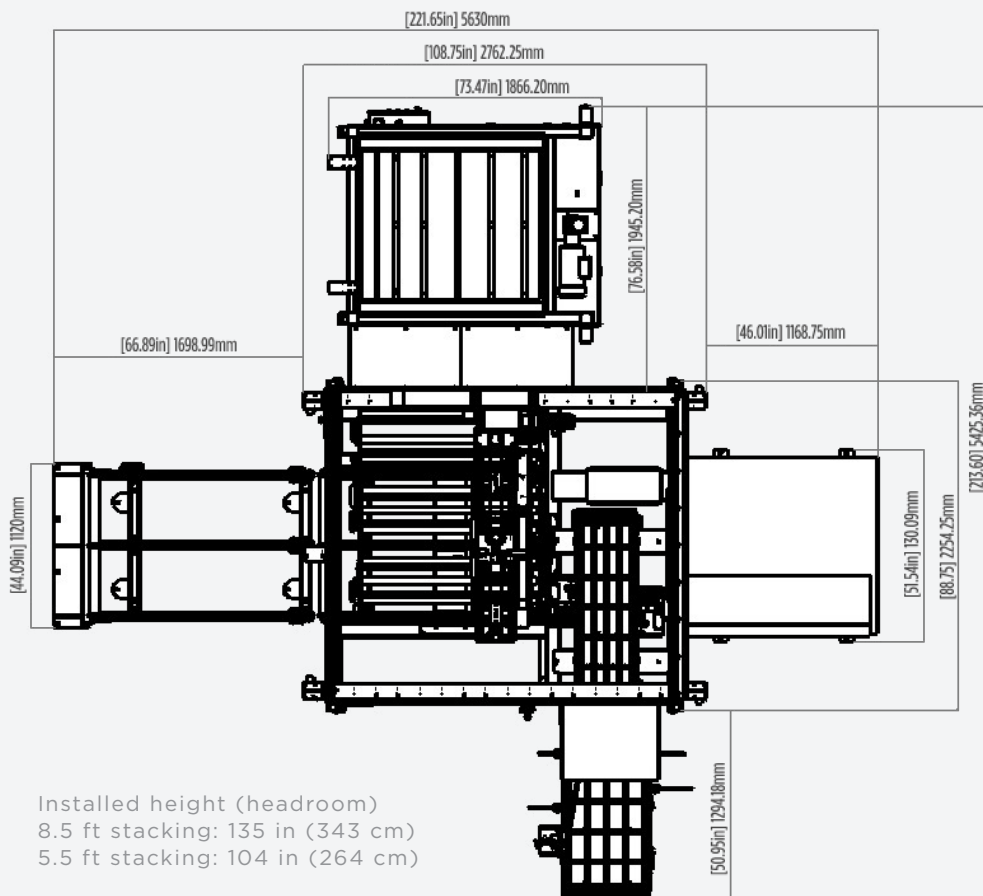
Mobile Compact Palletizers

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



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

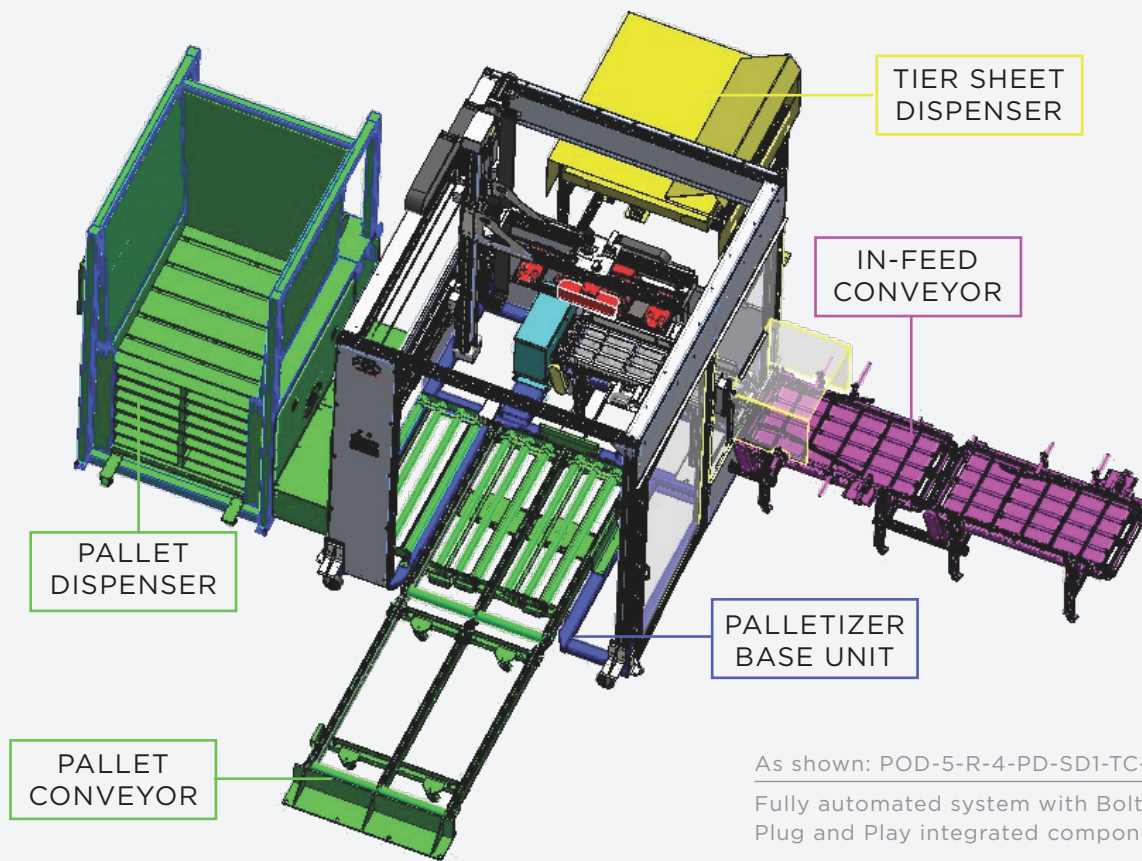
ELECTRICAL ENCLOSURE

UL Listed and CE / CSA
Certified

CONTROLLER

Yaskawa servo motors,
drives, and PLC

Red Lion HMI



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 - 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

SPECIAL ORDER OPTIONS

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

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

POWER

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

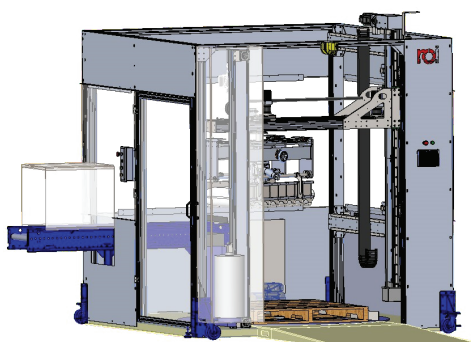


PALLETPOD™ is a made in USA palletizing machine. It is a compact, modular, mobile, and cost effective solution that is easy to specify, validate, install, operate, move, and maintain.

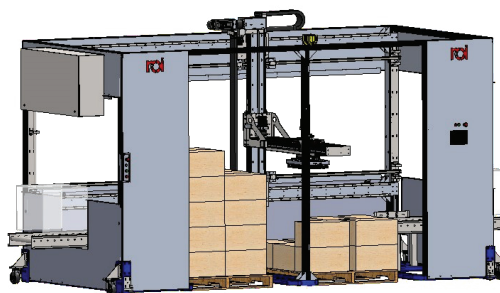
A configurable system for most production facilities, the POD effortlessly handles boxes, display cases, bags, kegs, trays, pails and bails. Category 3 safety rated with a footprint of ~60 ft², the POD stacks product at rates up to 24 items per minute, lifts over 120 lbs. per cycle and can stack up to 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.

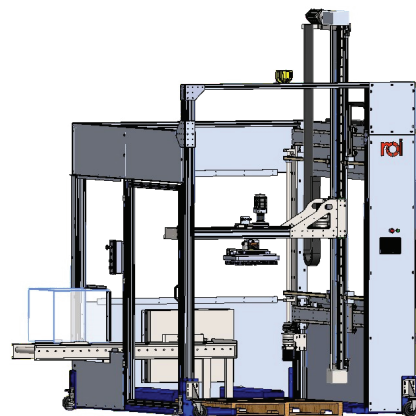
Available for purchase or lease, PALLETPOD is a simple, adaptable, and durable palletizer for stand-alone and highly automated end-of-line operations.



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:

PALLET **POD**

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