



Robox Palletizer

The **Robox Single-Line Palletizer** is economical and flexible. It has a compact footprint. This mobile “Plug & Play” design adapts to changing layouts.

Up to 30 Picks Per Minute

Fast Pallet Exchange

Customized End Of Arm Tooling (EOAT) specifically designed to handle products reliably

Flexible Work Cells

Multiple products per pick, combined with up to 30 picks per minute, enable a high throughput.

The optional over/under conveyor shown with this solution allows pallet exchange while operating for continuous production.

End Of Arm Tooling (EOAT) Options include vacuum, mechanical, fork, or a combination of these with or without slip sheet handling

The “Plug & Play” design allows for fast installation and portability as your line grows or changes.



**Over/Under
Conveyor
Example**

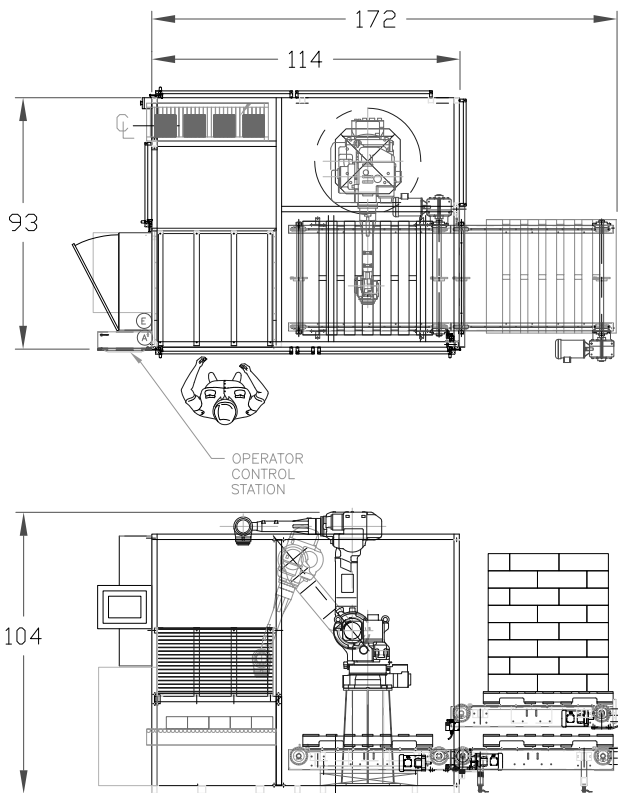


Operation Summary:

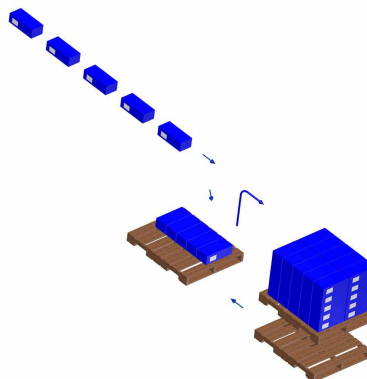
Schneider Robox palletizers utilize a robot with an end of arm tool (EOAT) to build a unit load. An empty pallet enters the cell. Shown below is the over/under pallet conveyor. A pallet dispenser can be utilized. The pallet is then transferred onto the load station.

Product is transported to the robotic cell by the case infeed conveyor(s). Once sufficient product and an empty pallet are available, the robot will pick product from the infeed and place it onto the pallet in the appropriate pallet pattern. Slip sheets are placed as required from the optional slip sheet magazine. Once a unit load is completed, it is discharged. In the meantime, another empty pallet has been transferred onto the load station and the robot can continue to palletize. The process repeats.

Typical Equipment Layout



Typical Pallet and Case Flow



Integration Options

- Stretch Wrapper
- Product and Pallet Labeling
- Conveyors, Shuttle Cars and Automated Guided Carts
- Pallet & Slip Sheet Dispenser or Magazine

SPECIFICATIONS

Product Types:

Cases, bags or trays

Control Voltage:

24 VDC

Construction:

Standard: Painted, carbon steel

Pallet Type:

GMA, CHEP, Metric

Controller:

PLC microprocessor

Power Requirements:

480 volt, 3 phase

End of Arm Tooling (EOAT):

Vacuum or gripper or both (determined by product)

Ambient Temperature:

40° to 85°F (4.4° to 29.4°C)
Optional AC packages available

Safety:

Meets ANSI/PMMA B155.1 safety standards

Visual Display:

Standard: One (1) Allen Bradley 600 Color Touchscreen

Enclosures and Electrics:

Standard: NEMA 12
Optional: NEMA 4X

OTHER SCHNEIDER END-OF-LINE SOLUTIONS

Horizontal /Vertical Case Packers

Robotic Case Packers

Robotic Palletizers

Multi-Line Systems

Wrapping Equipment

Bundling Equipment

Ancillary Equipment