Automatic Bag Palletizing

Four levels of automation for open mouth bags and valve bags

TINSLEY EQUIPMENT COMPANY

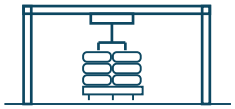
LOWER RELATIVE COST
Starting at $125,000

→

MORE AUTOMATION
Starting at $350,000

1 LOW

Gantry palletizer



8 bags/min or less*

MINIMUM FOOTPRINT
12 ft x 12 ft

AUTOMATES
Picks up and stacks bags in a programmed pattern.

OPERATOR ROLE
Use a forklift or pallet jack to change a pallet every 7 minutes.

View system example

2 LOW-TO-MEDIUM

Reconditioned FANUC robot

12 bags/min or less*

MINIMUM FOOTPRINT
20 ft x 20 ft

AUTOMATES
Stacks bags in two side-by-side pallet positions.

OPERATOR ROLE
Use a forklift or pallet jack to change a pallet every 7 minutes.

View system example

3 MEDIUM

One robot. Three jobs.

10 bags/min or less*

MINIMUM FOOTPRINT
20 ft x 25 ft

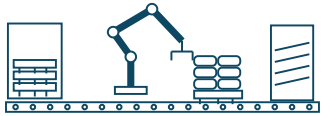
AUTOMATES
One robot stacks bags, places empty pallets, and applies slip sheets.

OPERATOR ROLE
1 forklift operator removes full pallets and refills the pallet and slip sheet dispenser as needed every 10-15 min.

View system example

4 HIGHER

Fully automated robotic system



18 bags/min or less*

MINIMUM FOOTPRINT
20 ft x 30 ft

AUTOMATES
Dedicated pallet and slip sheet dispensing, robotic stacking, and pallet conveying. Optional automatic wrapping.

OPERATOR ROLE
1 forklift operator removes full pallets and refills the pallet and slip sheet dispenser as needed every 15-20 min.

View system example

*Rates depend on model, bags, application and upstream equipment. All options require 3 Phase power. Compare the complete system. Cost levels are budgetary and may overlap with configuration.

LET'S FIND THE RIGHT LEVEL FOR YOUR LINE.
Tell us your bag weight, target rate, pallet size, and available space.

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