

# TRFCobot Cobot palletizer

Built for short runs and frequent SKU changes.  
Flexible collaborative automation with a  
compact footprint and fast deployment.

**Up to 10**

CASES PER MINUTE

**Up to 26 lb**

CASE WEIGHT

**Up to 75 in**

PALLET HEIGHT

**9 x 12 ft**

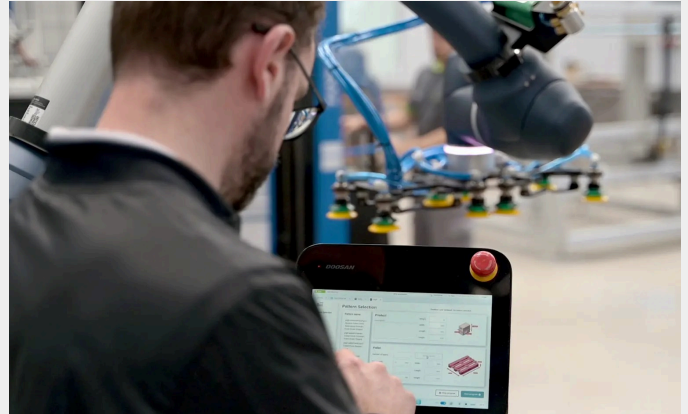
FLOOR SPACE

# A cobot palletizer for lower-speed, high-mix lines

TRFCobot is a cobot palletizer from TRF Industrial Automation: a collaborative robot in a standardized cell for lower-speed, high-mix lines with short runs, frequent SKU changes and limited floor space. It handles up to 10 cases per minute and cases up to about 26 lb.

A cobot palletizer is a compact palletizing system built around a collaborative robot, designed to automate repetitive case stacking while working safely alongside operators when the application and safety assessment allow it. Unlike traditional robotic cells, a collaborative system can often be designed without full perimeter fencing, reducing footprint and improving operator access.

In a dual-pallet configuration, the robot can continue palletizing on one side while an operator removes a completed pallet and positions an empty pallet on the other. With properly designed safety zones and controls, pallet changes can take place without stopping the entire palletizing process.



## Palletizing made simple

Intuitive operation with easy recipe programming for fast product and pallet pattern changes.

## Small footprint

Fits end-of-line areas where a traditional robotic cell is hard to install.

## Automation that fits your line

Flexible recipes and pallet patterns that adapt quickly to every SKU and product change.

## Eliminate manual palletizing

Replace repetitive manual palletizing with simple, reliable automation.

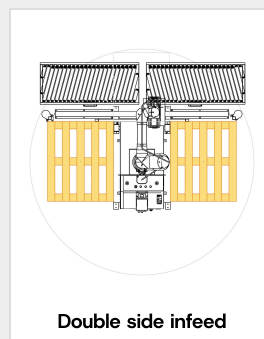
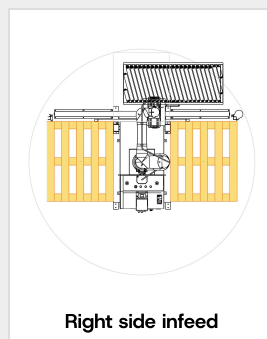
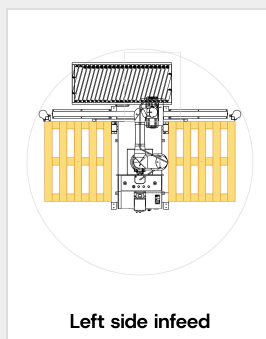
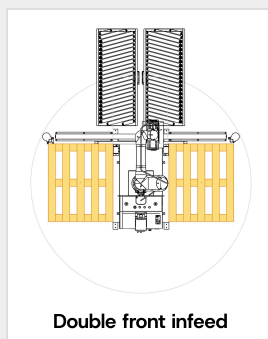
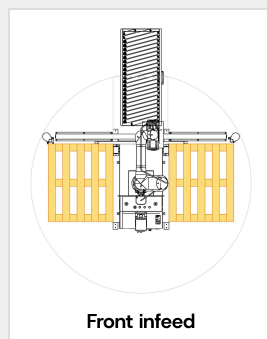
# TRFCobot specifications and capacity

| ITEM            | TRFCOBOT                                                                                                                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| Robot           | ABB PoWa or Doosan H2017                                                                                                     |
| Typical speed   | Up to 10 cycles per minute                                                                                                   |
| Case weight     | Up to 26 lb                                                                                                                  |
| Pallet height   | Up to 75 in                                                                                                                  |
| End-of-arm tool | Vacuum or clamp, subject to end-of-arm tool and reach validation                                                             |
| Typical line    | Lower speed, high mix, short runs, frequent SKU and pallet pattern changes                                                   |
| Floor space     | 9 ft (L) x 12 ft (W)                                                                                                         |
| Reference price | US\$ 120,000, EX Works Lenexa, Kansas; final pricing is confirmed based on your application, configuration and project scope |

*Typical ranges. TRF engineering confirms final capacity for each application (product, end-of-arm tool, pallet pattern, reach and process).*

## Layout options by infeed position

Every layout keeps two pallet positions, so one pallet can be exchanged while the robot builds the other.



# Details that keep the cell **simple to run**



**Vacuum gripper.** Selected for your case type, size, weight and surface; clamp tooling is also available.



**Operator touch screen.** Recipes and pallet patterns are selected directly by the operator, without robot reprogramming.



**Infeed and pick point.** Cases arrive on the infeed conveyor and the robot picks each one for the programmed pattern.

## Which applications fit

- Small and mid-sized food manufacturers that still palletize by hand.
- Pharmaceutical, personal care and similar industries with lower-speed production and frequent product changes.
- Co-packers and contract manufacturers where flexibility, SKU changes and short runs are critical.
- E-commerce and distribution operations with repetitive case handling.
- Plants with limited floor space that prefer standardized, fast-to-deploy automation.

## What TRF validates before quoting

1. **Product:** case dimensions, weight, material and how it behaves when gripped.
2. **End-of-arm tool.**
3. **Pallet pattern.**
4. **Process:** infeed rate, accumulation ahead of the cell and pallet exchange time.
5. **Floor space,** including operator access to remove full pallets.



— PRICE AND NEXT STEP

# Start automating palletizing from US\$120,000

## US\$ 120,000

Reference list price for the **TRFCobot**, EX Works Lenexa, Kansas. Installation, line integration and optional features are quoted according to your application. Use the reference price as a starting point for your capital planning.

### The TRF palletizing family

| PLATFORM   | TYPICAL SPEED               | CASE WEIGHT       | TYPICAL FIT                                                                               |
|------------|-----------------------------|-------------------|-------------------------------------------------------------------------------------------|
| TRFCobot   | Up to 10 cases per minute   | Up to 26 lb       | Lower-speed, high-mix lines with limited floor space                                      |
| TRFCompact | Up to 15 cases per minute   | Up to about 65 lb | Medium-speed lines with limited floor space                                               |
| TRFSpeed   | 15 cases per minute or more | Up to about 80 lb | High volume, continuous or multi-line palletizing; <b>TRFSubzero</b> for areas below 32°F |

### Start your cobot palletizer evaluation

Send your production information: products, case weights, rates, pallet patterns and a drawing of the area. A TRF Sales Engineer validates the fit and confirms the scope.

#### TRF Industrial Automation

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