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**APR SERIES**  
Hybrid robotic  
palletizer

# Hybrid robotic palletizer

The **APR-125** robotic hybrid palletizer is designed to automatically position units of various sizes on a pallet. This innovative equipment offers a consistent squaring thanks to its four alignment bars and allows palletizing patterns with unit overlapping. This hybrid technology combines the reliability of a palletizer with the flexibility of the robot. The intuitive operation screen allows the operator to quickly program a new layer pattern which makes troubleshooting easier.

The **APR-125** platform includes a series of modules and a FANUC robotic arm equipped with a Premier Tech Chronos gripper. The robot deposits each bag as desired in the proper position. With this intervention, no bag turning module is required which helps saving space. Bag flattening and perimeter squaring are the key components to reduce overhang and it can allow to stack full pallets on top of each other in the warehouse.

## Applications

The APR-125 Series palletize Food/Minerals/Seed such as rice, flour, stone, sand, salt and seeds that needs to be overlapped and squared.



## Features and benefits

- Layer squaring and pressing ideal for patterns with overlapping bags
- Forgiving for product density variation while keeping high finished quality
- Pallet changeover has no effect on production rate
- Less manipulation / bag preparation required than basic Robotic Palletizer
- Compact design allows shipping in three modules and quick installation
- Flexibility and reliability of a FANUC robot
- Small footprint optimizes floor space
- User-friendly operator interface – easy to use, easy to run
- Easy maintenance
- Safety first – System compliant with ANSI/RIA, 15,06, CSA Z434-14 and ANSI B155, 1-2006 safety standards.

## Options

- Servo gripper for automatic width adjustment
- Power and control quick connect cabling
- Slip sheet dispenser
- Exit conveyor

## Technical Data

- **Typical equipment dimensions:**..... Length: 30' | Width: 21' | Height: 15'
- **Layer Dimension :**..... 37" X 37" to 54"X54"
- **Operating temperature:**..... 40 °F to 95 °F
- **Pneumatics requirements:**..... 6SCFM @ 90Psi
- **Electrical requirements:**..... 460V / 3PH / 60 HZ
- **Full pallet load:**..... Height: Up to 96" | Weight: Up to 4500lbs
- **Bag dimensions:**..... Length: Up to 33" | Width: Up to 20"
- ..... Height: Up to 6" | Weight: Up to 25kg

### PATTERN EXPERT – State-of-the-art user interface

Modifying pallet patterns or creating new ones can be a struggle if the integrator doesn't provide the right tool with its palletizer. The AR-225 Robotic Palletizer for bags comes with a state-of-the-art user interface called "Pattern Expert," which solves this problem. This intuitive and user-friendly interface allows users to modify existing palletizing patterns easily

and to create new ones with very accurate bag positioning. Pattern changeover can be carried out quickly through only one point in the HMI, which makes the operator's life a lot easier. This interface is available in English, French and Spanish, and if support is required, Premier Tech Chronos can access the interface remotely.



**Production rate**

APR Series up to 22 bpm (depending on infeed level)

## Premier Tech World Headquarters

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