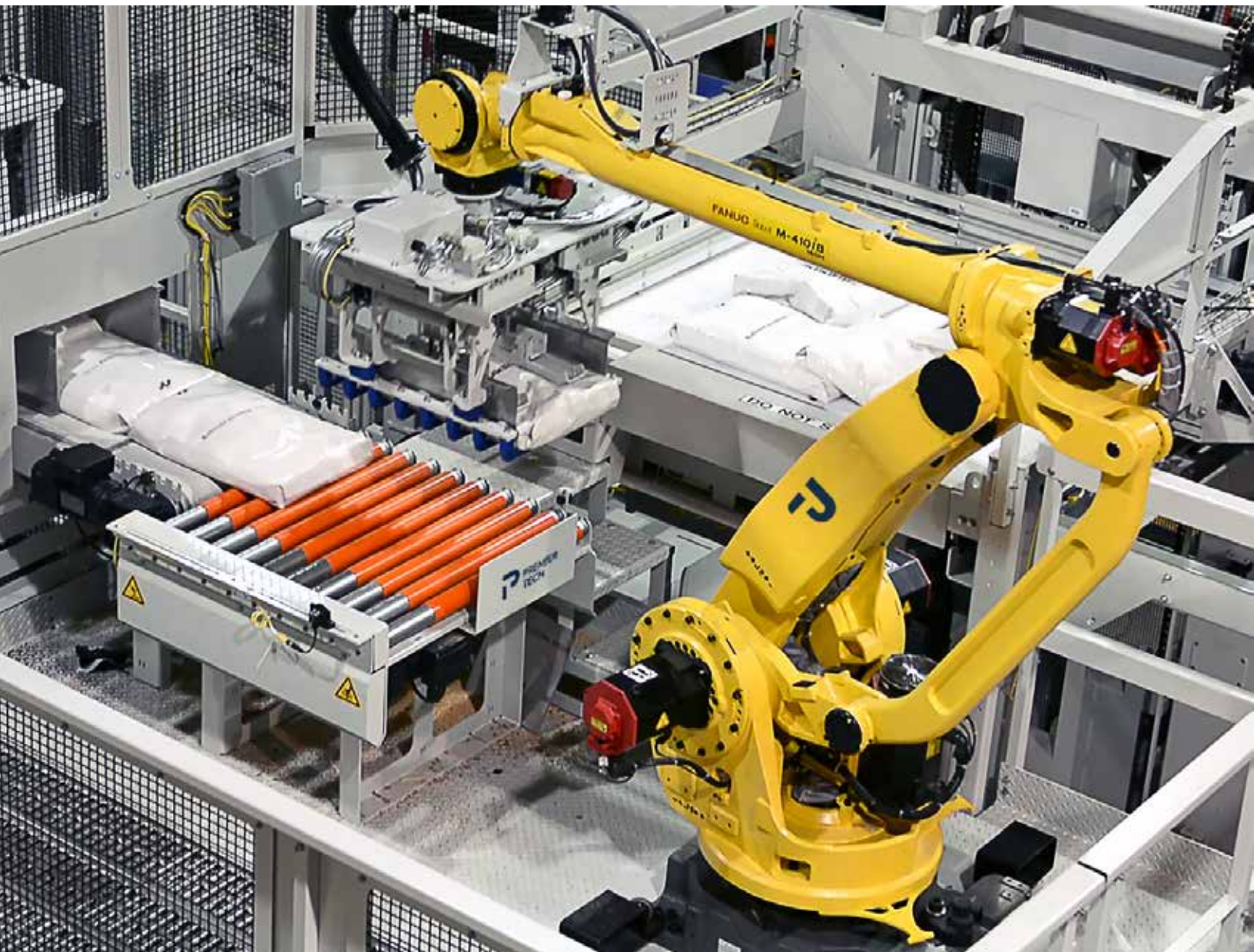


CHRONOS • APR-1150

## Hybrid robotic palletizer equipment



# Hybrid robotic palletizer equipment



**UP TO 24 UNITS PER MINUTE**

\* Depending on product type, stacking pattern, and machine configuration.

### Versatility

The palletizer is capable of stacking various sizes of powdery, granular, or any other bagged products that require overlapping, squaring, and compressing.

### Performance

Fully electric, the APR-1150 enables smooth, precise, quiet, durable, and safe operations. The use of robotics reduces maintenance demands and unexpected equipment failures.

### Ease of use

The operator interface features 3D images for easy comprehension and increased uptime. It provides a single location to edit patterns, check status, detect a fault, or view alarms with a few taps.

### Applications



Pillow-type bags



Gusseted bags



Gusseted flat bottom bags



Valve bags



Bundles



**The APR-1150 palletizer combines two performant and proven technologies to create optimal loads: the speed and reliability of our conventional palletizing machines and our robotic equipment's flexibility.**

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## Specifications

### Production rates

**Standard:** Up to 25 units per minute\*

**Option:** Up to 27 units per minute\*

\* Based on a standard five bags pattern

### Typical footprint

33' L x 18' W x 16' to 19'H

### Unit dimensions

**Weight:** Up to 80 lb (36 kg)

**Width:** From 10" to 21" (254 mm x 535 mm)

**Length:** Up to 34" (864 mm)

**Height:** Up to 7.5" (190 mm)

### Empty pallet stack

**Weight:** Standard: 900 lb (400 kg)

Option: 1250 lb (567 kg)

**Height:** 90" (2200 mm)

### Palletizer estimated shipping weight

22000 lbs (10000 kg)

Must be placed on a level concrete floor

### Electrical power requirements

90 amps at 460V/3PH/60HZ (other voltages available)

### Control circuits

24 Volt Direct Current (VDC)

### Compressed air requirements

25 CFM at 80-100 PSI

### Pneumatic requirements

11 SCFM at 90Psi

### Ambient temperature

40 °F to 95 °F (5 °C to 35 °C)

### Safety standards

Category 3, Performance Level D, OSHA, ANSI/RIA, 15,06, CSA Z-434-03 and ANSI B155, 1-2006

## Features

Soft and malleable adjustable finger gripper that prevents bag damage, tears, and dropping issues

M410iB/140H FANUC Robot with Dual Channel Safety (DCS)

Rugged construction intended for continuous operations and designed for harsh environment

Automatic pallet dispenser that can handle pallets of various sizes and quality

Lateral alignment bars to square layers

Compression cycle to level products and better stabilize loads

4000 lb (2000 kg) electric pallet elevator with counterweight for quiet operation

Intuitive and user-friendly touchscreen HMI

Emergency-stop button, safety fences with trapped key interlocking, door safety circuit check, light curtains, and automatic locking pins on the elevator

## Options

Bag preparation systems to level or flatten bags

Leak, weight, and metal detection systems coupled with a rejection conveyor to remove non-compliant bags

Automatic product changeovers

Quick-connect power and control cabling for faster installation in your facility

Integration with concurrent stretch wrapping machines and third-party suppliers (labelers, printers, etc.)

Automatic slip/top sheet dispenser

Exit conveyor



# Lifetime

## Client Solutions

**Premier Tech Client Solutions** take a personalized approach to **lifecycle management**, creating enhanced solutions customized to your specific needs that develop your own capabilities and operational habits, and help you achieve and maintain productivity.

The Client Solutions' passionate team acts as a **partner** by maintaining constant collaboration and putting your interests at the heart of daily decisions throughout your equipment's lifecycle.

Our programs are designed to help you reach your highest **Overall Equipment Effectiveness (OEE)** and maximize your **Return on Investment (ROI)** by providing you with the most valuable lifecycle services in the industry focusing on critical areas such as **24/7 technical support, spare parts, field service, training, system assessments and optimization.**

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