

AR-200 SERIES



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ROBOTIC PALLETIZING CELL ●●●



**Premier Tech
Systems**



PALLETIZING

ROBOTIC PALLETIZING CELL

AR-200

Premier Tech Systems brings to market the most efficient robotic cell for virtually any palletizing need. We have combined our innovative engineering and control capabilities with our state-of-the-art bag preparation and pallet handling technology, along with the latest addition within the Fanuc family in the 4-axis high payload category, the M410iB/160.

The **AR-200 Series Robotic Palletizing Cell** is a flexible palletizing system that is a perfect complement

to our family of conventional palletizers. As a single source for these two approaches, we offer the best solution for any palletizing application. Our robotic cell can simultaneously gather from up to four different incoming product lines. It can just as easily be configured to fit in tighter layouts to palletize one incoming product. Empty pallet and slip sheet handling by the robot itself is also available to provide the most cost effective solution in lower speed applications.

FEATURES AND BENEFITS

- Simultaneous palletizing of multiple bag sizes thanks to automatic bag width adjustment system available on finger gripper
- Automatic changeover (no mechanical adjustments) when combining the optional bag width adjustment system on finger gripper and motorized guides on alignment conveyor
- Custom grippers for bags, bundles, bales, boxes and cases
- Quick changeover of palletizing patterns through stored recipes
- Collision guard software to prevent accidental damage to robot gripper or other equipment
- Programmable logic controller (PLC) for the complete cell integrated to robot controller (on standard cell) or with remote I/O at the robot
- User-friendly operator interface (color teach pendant) on robot controller with equipment and layout drawings for easy operation in manual mode (external panel view also available)
- 8 ft. (2.4 m) high safety fences with interlocked access door
- System compliant with ANSI/RIA 15.06 and CSA Z-434-03 safety standards
- Unlimited layout configurations

SPECIFICATIONS

Bag dimensions (for finger gripper)*

Width: 9" to 23" (230 to 585 mm)
 Length: 13" to 39" (330 to 990 mm)
 Thickness: 1.5" to 6" (40 to 150 mm)
 Weight: Up to 176 lb (80 kg)

* Other dimensions available

Layer Up to 60" x 72" (1525 x 1830 mm)

Full-pallet load

Height: Up to 104" (2640 mm) with
 40" x 48" (1000 x 1200 mm) layer
 Weight: Up to 4400 lb (2000 kg)

Production rate Up to 28 BPM depending on bag characteristics, pallet height, layout configuration, etc.

Air consumption Up to 6 scfm (170 NI/min)

Operating pressure 90 psi (6 bar)

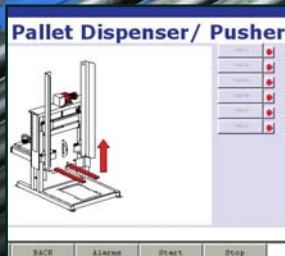
Electrical requirements 460 V / 3 Ph / 60 Hz (other voltages available)

Operating temperature 32°F to 105°F (0°C to 40°C)

●●● UNLIMITED LAYOUT CONFIGURATIONS



Color teach pendant used as main interface on standard cell



Operator interface providing 3D equipment drawings for easy operation in manual mode

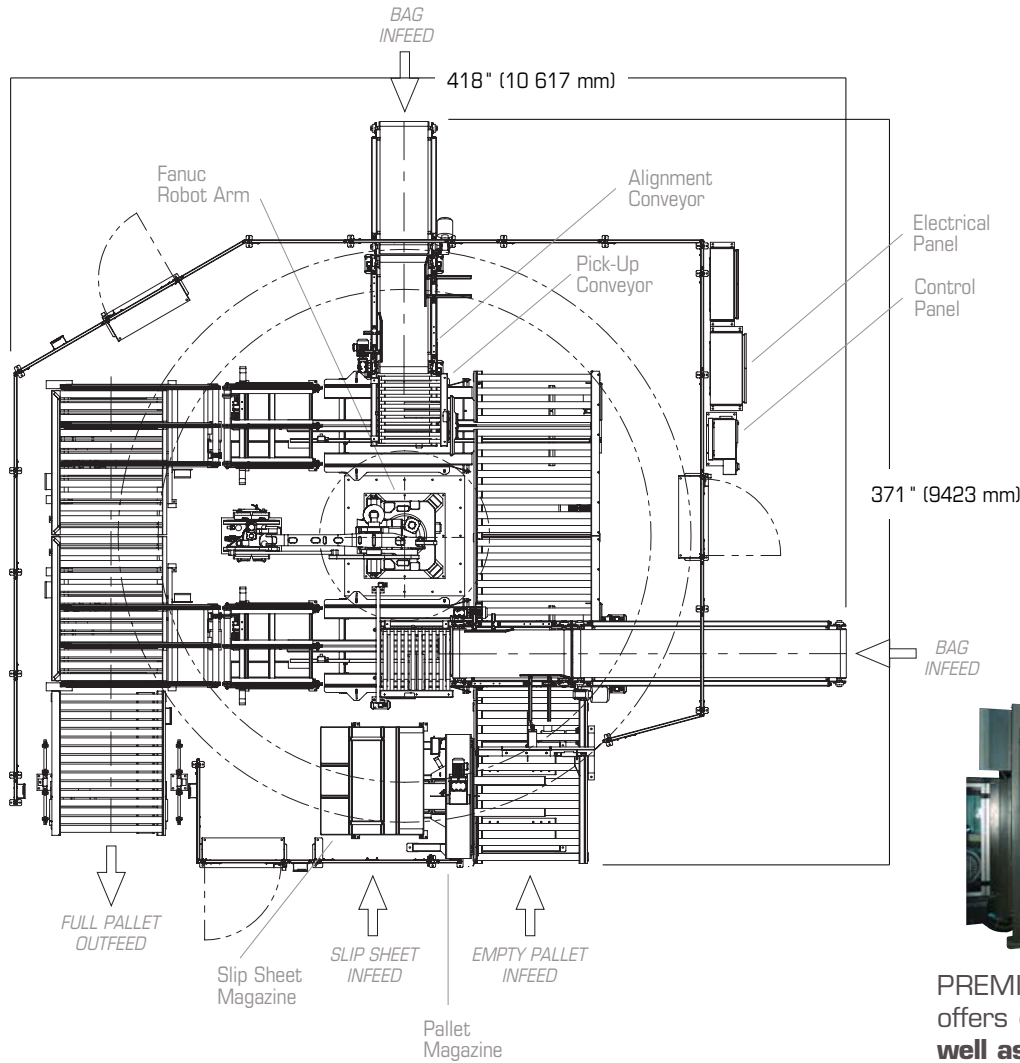


Finger gripper equipped with automatic bag width adjustment system

AUTOMATION THROUGH INNOVATION

Note :

Some safety devices (such as guards) may have been removed from the equipment on certain pictures to better show the various components.



PREMIER TECH SYSTEMS also offers **conventional palletizers, as well as a wide range of baggers.**

WORLDWIDE PRESENCE

Rivière-du-Loup, CANADA • Brea, USA • Hennef, GERMANY

Viry-Châtillon, FRANCE • Nottingham, UNITED KINGDOM
Parma, ITALY • Bangkok, THAILAND • New Delhi, INDIA

PREMIER TECH SYSTEMS is an international leader in the design, manufacturing and marketing of state-of-the-art industrial equipment. It offers innovative solutions for the processing and packaging of a wide range of organic and non organic materials in many various industries. Buoyed by a multidisciplinary team of over 600 people based in America, Europe and Asia, PREMIER TECH SYSTEMS is building on research, innovation, and on the development of value-added products to help its customers lead the way in their respective markets.



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