



Professional Packaging Systems

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Contact

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Arpac Arbot Robotic Palletizer

At a Glance

- Load cases, trays, bags and many other products onto pallets
- Multi-axis articulated arm with customizable end-of-arm tooling
- Compact foot print

Buy your [stretch film](#) from us, and get a discount on this Arpac Robotic Palletizer!

Pricing

Call us at **888-318-0083**

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.



The Arpac Arbot is a pre-engineered robotic palletizing cell that automatically stacks and wraps pallets to exact specifications. It consists of a multi-axis robot, gripper, automatic stretch wrapper, pallet dispenser and conveyance system within a space efficient footprint. Arbot cells range from a one-line in, one-line out configuration, up to a four-line in, four-line out configuration to match production needs.

Grippers are matched to the application and range from simple suction cups and vacuum plates, to fork and bag style tools. Custom tool designs are also available to accommodate virtually any product.

The system can accommodate cases, trays, bundles, bags, etc. Speeds vary by application; however, rates up to 60 pieces per minute are possible. An automatic pallet dispenser supplies pallets as needed and can be reloaded while the system is running to maximize efficiency. Slip sheets and tier sheets can also be placed as needed. After the load is complete, it is transferred to a fully automatic stretch wrapping station, allowing the robot to immediately begin building the next pallet. Wrapped pallets are then discharged to a staging conveyor for pick-up.

For operator safety, a fully interlocked guard system is provided that immediately stops the robot in the event that a perimeter door is opened.

Robotic palletizing systems offer consistent, predictable production; usually at higher rates than their human counterparts. They improve quality and minimize rework and can work 24 hours per day, seven days a week. Additionally, they can handle heavy/ difficult products and prevent injuries.

Features

5-Axis 80kg (176lb) palletizing robot accommodates products up to approximately 100 lbs

Dedicated robot controller

A variety of gripper options for all types of packages

10' infeed conveyor with pneumatic product separation
Automatic pallet dispenser, with 10 pallet magazine and drag chain discharge conveyor
60" pallet build station conveyor
Integrated conveyORIZED turntable stretch wrapper (PAC-4R5 up to 45 loads/hour)
60" pallet discharge conveyor
Allen-Bradley CompactLogix PLC
PanelView Plus 1000 – 10 inch color HMI
Heavy duty construction with powder-coated finish

Options

50 kg, 100 kg, 160 kg, 300 kg, 500 kg or 800 kg 4/5 axis robots
Vacuum plate, fork style or bag style gripper (custom designs also available)
Layer sheets – gripper tooling and manually loaded sheet rack
Smart counting style gated infeed conveyor (supports multiple products with no changeover)
2 in / 2 out configuration
3 in / 3 out configuration
4 in / 4 out configuration
Full-line system integration

Please [contact Pro Pac](#) or call 888-318-0083 for your palletizing equipment.