

Keeping manufacturers competitive with quality robotic solutions



Random Robotic Case Erector Flexible end-of-line packaging solution

The random case erector is an automated end of line packaging solution that solves ergonomic issues with employees doing repetitive tasks. The system combines a FANUC M20iA/20 6-axis robot with multiple case magazines and a bottom flap folder with integrated 3M™ case sealing head.

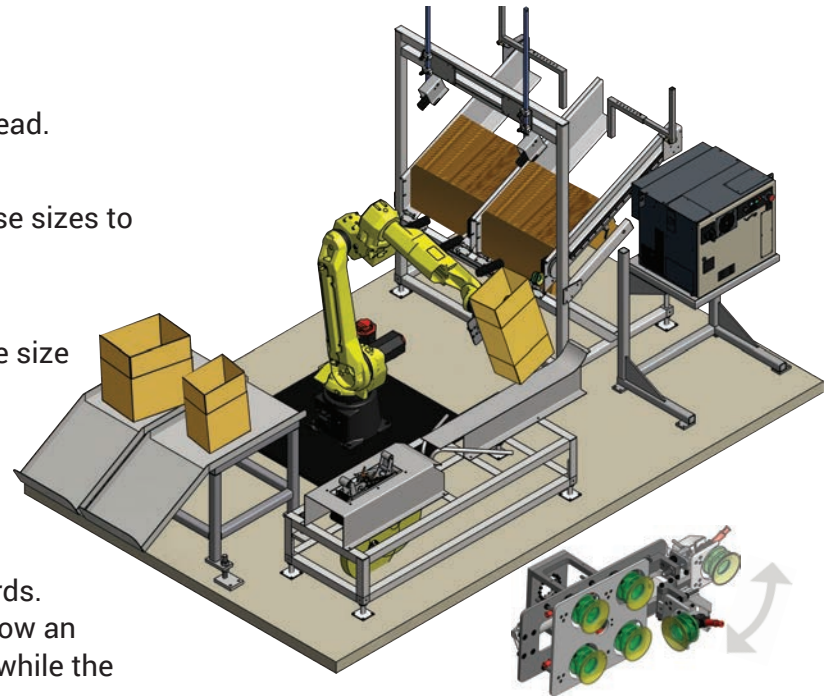
The FANUC robot uses a flexible end of arm tool to pick and erect multiple case sizes to limit changeover downtime.

The standard system features three gravity case magazines but can be setup to run additional case sizes. The random robotic case erector can handle up to eight different case sizes at approximately 10 cases per minute based on size and sealing technique.



Robotic Case Erector System Includes

- FANUC M20iA/20 Robot
- Gravity case magazine - holds 2 box sizes
- Bottom flap folder with integrated 3M case sealing head.
- Fixed robot base, anchored to the floor
- Flexible end of arm tool to pick and erect multiple case sizes to eliminate changeover downtime
- System wiring and controls
- Color 7.5" touchscreen HMI display for selecting case size
- Perimeter guarding with safety interlocks on doors
- Programming for Robot, PLC/PMC, HMI and Vision
- Complete documentation in electronic format
- On-site training and support
- Compliance with all applicable robotic safety standards. Alternate safety configuration may be available to allow an operator to changeover a case size in one magazine while the robot continues to work in other magazines.



*Standard pricing is based on standard base design

Random Case Erectors are ideal for fulfillment centers and other end-of-line packaging needs. Save money by eliminating changeover downtime. Reduce ergonomic injuries by eliminating repetitive manual tasks.

Watch the Case Erector in action.



Case Size Configurations

Throughput for alternate configurations will be dependent on layout. A simulation will provide approximate throughput capability but final throughput will not be known without testing with actual case blanks.

Quality of case blanks will impact erector performance and throughput.

Standard Maximum Case Size:



Standard Minimum Case Size:



Outside Dimensions

System Add-ons Available

- High speed bottom sealing with servo adjustable side belts for increased speed
- Larger and smaller case sizes available on request
- Additional case magazines set-up to eliminate changeover downtime
- Ethernet connectivity
- Hot melt glue closure available

Other configurations are possible, with additional engineering and hardware cost as applicable - quotes available upon request

