Robotic Case Packing
Fast, Flexible, & Efficient

Robots can pick single or multiple items to pack single or multiple cases per cycle. Quick change end of arm tooling can prepare the same robot to handle products of varying sizes or shapes with minimal changeover time. Bastian designs robotic case packing systems that enable manufacturers to reduce labor and safety costs while increasing throughput, reliability, and accuracy of orders.

How does it work?
In robotic case packing, products are automatically transferred into the robotic cell and are queued for packaging or located automatically by an integrated vision system. Packages are erected and fed into position where the system will initiate the packing process. Using a custom end of arm tool, the product is picked and placed by the robot into the desired package. Once the packaging is complete it exits the system and the robot repeats the packing process. Typically, cases are then sealed and subsequently conveyed to a palletizing robot.

Benefits
- High efficiency
- Elimination of repetitive motion and ergonomic issues
- Easily expandable for increasing production
- Extremely low maintenance
- High flexibility for multiple product lines
- Highly adaptable for rapid product changes
- Commonly integrated with case erectors, case sealers, conveyors, and labelers
Specifications

- Custom end of arm tool configurations can meet your pack pattern requirements
- High speed robots reach up to 100 cycles per minute
- Robots available to handle various rate and load requirements
- Vision can be included for continuous motion picking and packing
- Robotic system interfaces with PC or PLC
- Meets RIA and ANSI safety requirements

Features

- Inverted robots allow for minimal system footprint
- Easily integrates with existing case erectors, case sealers and conveyors
- Modular, quick-change end of arm tooling
- Easily expandable for increased production
- Multi-robot systems for high volume production lines
- Vision identification for randomly oriented products
- Can seamlessly integrate with downstream robotic palletizing system
- Stand-alone turn key integration

Contact

- Interested in implementing a robotic case packer in your facility or simply want to know more about it?

Please contact us today for additional information.

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Ultra Lightweight Tooling

Articulated Single Pick Solution