

ROBOTIC BULK DEPALLETIZER

Bulk Depalletizing

Video



BW Integrated Systems' Robotic Bulk Depalletizers are designed to depalletize multiple product sizes from numerous incoming product lines and deliver them to many distribution lines. Depending on the end-of-arm tooling used, the depalletizer has the capability of depalletizing empty or filled cans (aluminum or steel), plastic containers, or cases.

Robotic Bulk Depalletizer

Sequence of Operation

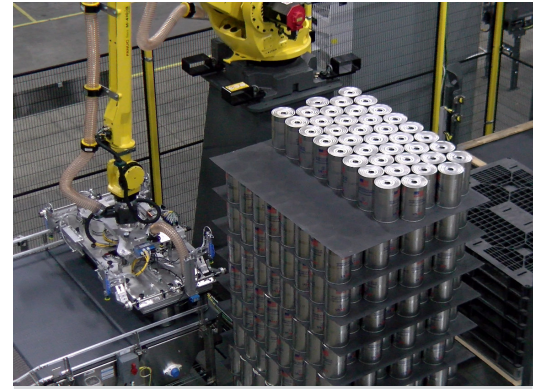
After a new load arrives, an ultrasonic sensor in the robot's end-of-arm tooling senses the load's position. This sensor is used to determine the precise position of each layer, beginning with a full load. Once the load's position is determined, the robot removes the top layer pad, top frame (if applicable), and places both onto a dunnage stack. The robot continues depalletizing the load until the last layer has been removed.

Once the load has been depalletized, the robot takes the empty pallet and places it onto a dunnage stack. As pallets are stacked, the robot uses proximity sensors to sense when the empty pallet has been placed in the dunnage stack. These sensors prevent pallet damage caused by over-travel of the robot. Pallet may optionally be stacked with a conventional pallet magazine.

Contact our experienced sales teams today for a comprehensive review of your application(s) and to see how our Robotic Bulk Depalletizers can benefit your company.

FEATURES

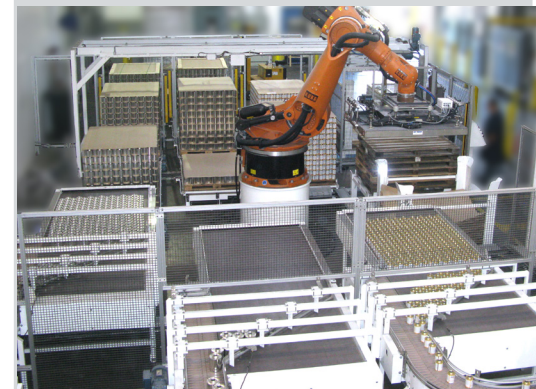
- Flexible footprint design
- Accurate package placement
- Gentle product handling
- Highly adaptable to product changes
- Handles various product sizes simultaneously
- Using a single depalletizer, other traditional designs are not capable of handling multiple product lines without extensive changeover
- Eliminates the need for multiple conventional depalletizers, due to its high-flexibility
- Multiple dunnage handling options
- State-of-the-industry safety and monitoring systems package
- Lower maintenance when compared to a conventional depalletizer



Steel Cans



F-Style PET Jugs



Steel Cans