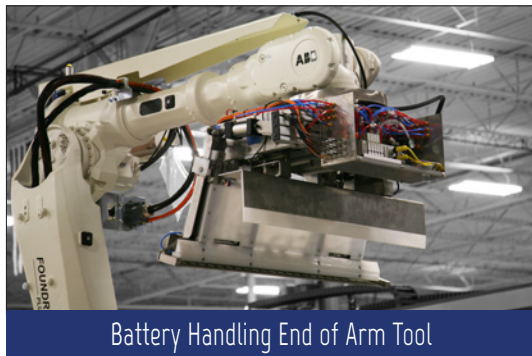


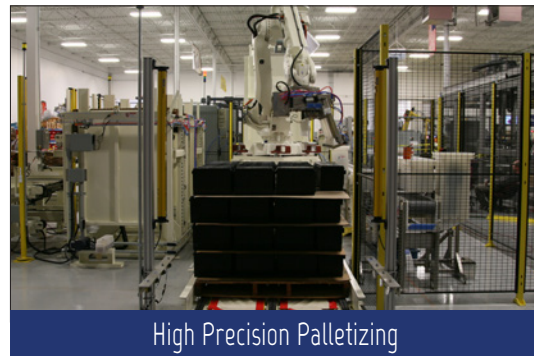
## Robotic Battery Palletizing

### Hazard Mitigation, Ergonomics, Quick Changeover

The palletizing of hazardous batteries located in harsh environments is a challenging application which requires robust and effective solutions. Bastian Robotics leverages its proven battery handling end of arm tool designs to engineer the precise tooling for a wide range of battery SKUs.



Battery Handling End of Arm Tool



High Precision Palletizing

### How does it work?

Bastian Robotics has implemented battery palletizing systems in facilities all across the country. With the installation of these systems, Bastian Robotics has helped its clients reduce many of the operational hazards facing their workforce. Additionally, our battery palletizers allow our clients to typically achieve a payback period of less than one year.

All of this can be achieved while not only meeting system throughput requirements but oftentimes exceeding them.

### Benefits

- Eliminates operator interaction with hazardous products
- Reduces heavy lifting of industrial batteries
- Quick product changeover
- Easy to configure new pallet patterns
- Capable of handling hundreds of different SKUs
- High system reliability and superior uptime
- Reduced labor costs

## Features

- Integrates smoothly with product conveyor, pallet conveyor, and ancillary equipment
- Sensors for intricate operations (stack height, product present, pallet present)
- Easily configurable pallet pattern programming with our custom HMI
- Vision system capabilities
- 3D simulations available prior to verify system capabilities

## Specifications

- Palletizing rate of up to 22 batteries per minute depending on layout and pallet specifications
- End of Arm Tool handles 70 unique battery sizes
- Standard pallet discharge elevation = 18"
- Standard battery infeed elevation = 40"
- Standard pallet size = 40" x 48"
- Can provide alternate infeed/outfeed configurations
- Upgraded material and robot selection to withstand caustic environment and years of direct contact with battery acids

## Contact

- Interested in implementing this technology in your facility or simply want to know more about it?

Please contact us today for additional information:

- Email: [info@bastiansolutions.com](mailto:info@bastiansolutions.com)
- Phone: (800) 569-6762
- [www.bastianrobotics.com](http://www.bastianrobotics.com)



Integrated Pallet Conveyor



Complete Turn Key Systems



Proven Palletizing Solutions



Vision System Capabilities