



Intelligent Enterprise Robotics for Retail

Sort orders up to 3X faster, improve store replenishment throughput by up to 50%, and optimize picking labor by up to 70%.

Industry Challenges

- Meet the demand of rapidly growing order volumes for eCommerce fulfillment and store replenishment.
- Increase eCommerce order processing capacity, without adding labor.
- Control costs in the face of increased eCommerce shipping expenses.

Berkshire Grey Robotic Automation Solutions for Retail

Berkshire Grey's AI-powered systems enable retailers to:

- Autonomously pick items to optimize labor by up to 70%.
- Sort orders up to 3X faster than manual approaches.
- Process nearly 100% of typical SKU assortments, order profiles, and packages through automation.
- Increase throughput by up to 50% for break pack store replenishment orders.
- Perform back-of-store sortation and break pack replenishment to support buy online pickup in store (BOPIS).

CAPABILITY	BENEFITS
Robotic Product Sortation	
Robotic systems that automatically pick and sort individual items into order containers, enable break pack store replenishment, and support split-case cross docking.	<ul style="list-style-type: none"> • Decrease operational costs associated with picking by 40% to 70%. • Gain throughput with more shifts and less labor. • Enable efficient break pack order fulfillment for store replenishment, store allocation, and BOPIS orders.
Robotic Put Walls	
Robotic systems that provide fast and reliable automated eCommerce order fulfillment.	<ul style="list-style-type: none"> • Improve sorting throughput by 3X. • Increase picking throughput by up to 33%. • Handle nearly 100% of all SKUs.
Robotic Pick Cells	
Robotic systems that convert ASRS goods-to-person stations into goods-to-robot stations.	<ul style="list-style-type: none"> • Accelerate picking of customer orders. • Meet consumer expectations for same-day, next-day, and overnight delivery options. • Enable 24x7 optimized productivity with reduced labor costs.
Robotic Pick & Pack	
Robotic systems that autonomously pick individual items from inventory and densely pack the shipping boxes.	<ul style="list-style-type: none"> • Handle 3X the number of SKUs compared to other robotic systems. • Reduce manual touches and maximize order volume.
Robotic Induction Station	
Robotic systems that sort and induct packages into unit sorting conveyors such as tilt tray and cross belt sorters.	<ul style="list-style-type: none"> • Increase utilization of existing sorting material handling equipment by up to 50%. • Enable 24x7 fulfillment operations with higher throughput and labor cost savings.
Mobile Robotic Fulfillment	
Mobile fulfillment systems that combine picking and mobility to support cross-docking, BOPIS, and direct-to-consumer deliveries.	<ul style="list-style-type: none"> • Increase inventory replenishment turns from 1X to 3X per day. • Reduce store receiving and shelf restocking time by up to 90%. • Merge store replenishment and eCommerce orders into the same shipment. • Automatically increase throughput as system learns prior patterns.

What You Get With Berkshire Grey

Intelligent and highly scalable robotic solutions for automating eCommerce order fulfillment and store replenishment processes to meet the growing demands retailers face, with reliability. Berkshire Grey's solutions include:

- Full portfolio of professional services.
- Integration with other Berkshire Grey technologies, manual processes, and third-party systems.
- Flexible license models for both CapEx and Robotics-as-a-Service (RaaS).