



# Intelligent Enterprise Robotics for Retail

Accelerate store replenishment throughput with intelligent robotic automation.



**70%**

labor optimization with autonomous item picking.



**3X**

faster order sortation than manual approaches.



**50%**

increase in throughput for break pack store replenishment orders.

## 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:

- Increase throughput by up to 50% for break pack store replenishment orders.
- Handle nearly 100% of typical SKU assortments, order profiles, and packages.
- Improve upstream picking throughput in eCommerce fulfillment by 33%.
- Perform back-of-store sortation and break pack replenishment to support buy online pickup in store (BOPIS).

CAPABILITY	BENEFITS
<b>Robotic Product Sortation</b>	
<p>Robotic systems that automatically pick and sort individual items into order containers, enable break pack store replenishment, and support split-case cross docking.</p>	<ul style="list-style-type: none"> <li>• Decrease operational costs associated with picking by 40% to 70%.</li> <li>• Gain throughput with more shifts and less labor.</li> <li>• Enable efficient break pack order fulfillment for store replenishment, store allocation, and BOPIS orders.</li> </ul>
<b>Robotic Put Walls</b>	
<p>Robotic systems that provide fast and reliable automated eCommerce order fulfillment.</p>	<ul style="list-style-type: none"> <li>• Improve sorting throughput by 3X.</li> <li>• Increase picking throughput by up to 33%.</li> <li>• Handle nearly 100% of all SKUs.</li> </ul>
<b>Robotic Pick Cells</b>	
<p>Robotic systems that convert ASRS goods-to-person stations into goods-to-robot stations.</p>	<ul style="list-style-type: none"> <li>• Accelerate picking of customer orders.</li> <li>• Meet consumer expectations for same-day, next-day, and overnight delivery options.</li> <li>• Enable 24x7 optimized productivity with reduced labor costs.</li> </ul>
<b>Robotic Pick and Pack with Identification for eCommerce Autobagging</b>	
<p>Robotic systems that enable touchless eCommerce fulfillment from pick-to-ship.</p>	<ul style="list-style-type: none"> <li>• Eliminates need for labor to operate individual eCommerce autobagging machines.</li> <li>• Makes 24/7 autonomous operation possible.</li> <li>• Fast and easy to implement into existing operations.</li> <li>• Autonomously handles nearly 100% of typical eCommerce SKUs with intelligent placement.</li> </ul>
<b>Robotic Induction Station</b>	
<p>Robotic systems that sort and induct packages into unit sorting conveyors such as tilt tray and cross belt sorters.</p>	<ul style="list-style-type: none"> <li>• Increase utilization of existing sorting material handling equipment by up to 50%.</li> <li>• Enable 24x7 fulfillment operations with higher throughput and labor cost savings.</li> </ul>
<b>Mobile Robotic Fulfillment</b>	
<p>Mobile fulfillment systems that combine picking and mobility to support cross-docking, BOPIS, and direct-to-consumer deliveries.</p>	<ul style="list-style-type: none"> <li>• Increase inventory replenishment turns from 1X to 3X per day.</li> <li>• Reduce store receiving and shelf restocking time by up to 90%.</li> <li>• Merge store replenishment and eCommerce orders into the same shipment.</li> <li>• Automatically increase throughput as system learns prior patterns.</li> </ul>

## About Berkshire Grey

Berkshire Grey automates complex supply chain processes and optimizes fulfillment operations, accelerating business growth through AI-enabled robotic automation. Our modular and customizable solutions can be leveraged across eCommerce fulfillment, store replenishment, retail, grocery and convenience, 3PL, and package handling and logistics.