Berkshire Grey's Robotic (Shuttle) Product Sortation

Pick, sort, and ship break pack, store allocation, and large eCommerce orders with improved accuracy and reduced labor. Installs into your existing operations with the option for manual (BG RSPS) or robotic (BG RPS) induction and the ability to handle tens of millions of items around the clock for major retailers.

Faster picking speeds
- 2,000+ uph with no item singulation required
- Up to 1,100 transfers per hour

Robotic picking option
- Fully automated induction, up to 700 uph
- Patented SpectrumGripper™ technology for wide SKU coverage

Optimized container utilization
- Patented box top handling and item settling
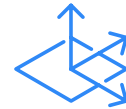- Store container utilization comparable to or better than manual operations

Zero walking pick and pack
- Pick from totes or directly from vendor cases
- Sort directly to store containers, automated takeaway

Minimal footprint
- Only ~50% of traditional unit sorter footprint
- Installs in as little as 2,500 square feet

Flexible and scalable
- Configurable up to 152 sort destinations
- Modular architecture, scales with orchestrated systems

Best-in-class SKU coverage
- ~100% of typical SKU assortments
- Cosmetics, apparel (including unbagged), large and bulky items up to 23 inch diagonal
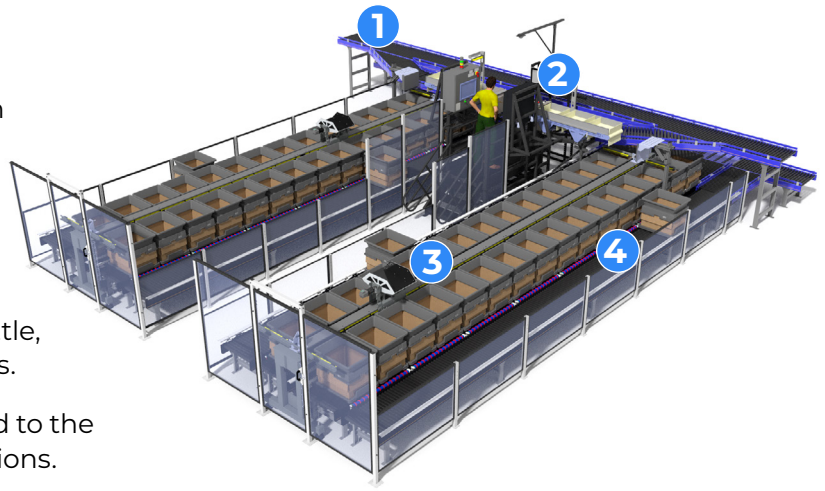
Easy to train and operate
- Intuitive, award-winning user interface
- Improves operator retention

Learn more at berkshiregrey.com

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HOW IT WORKS

1 Totes of inventory arrive from ASRS or upstream process (e.g., ticketing, batch pick, decant).

2 An operator (or a BG Robotic Pick Cell) picks items from the tote and places them into one of two induction points.

3 Goods are transferred to a linear sortation shuttle, which deposits them into outbound containers.

4 Completed containers are automatically kicked to the takeaway conveyor and routed to packing stations.

FEATURES	BENEFITS
RSPS — **Ergonomic Operator Induct Workstation** Comfortable workstation with adjustable platform, lean rail, and intuitive graphical user interface.	✓ Reduces operator fatigue ✓ Improves order accuracy ✓ Requires minimal training
RPS — **Fully Automated Option with Robotic Picking** Replace operator induction. BG's SpectrumGripper® technology offers broadest SKU coverage in the industry.	✓ Eliminates induction labor ✓ Enables 24x7 operation ✓ Maximizes order accuracy
Dual-Wing Sortation with Automated Takeaway Dual-wing configuration maximizes operator productivity. Ready containers are automatically ejected and routed to packout.	✓ Maximizes sortation rates ✓ Eliminates walking to order container ✓ One operator can support up to 152 order locations
Configurable Sortation Destinations Sort to store boxes or totes up to 27" x 24" x 17.5". Configurable from 52 to 152 destinations.	✓ Minimizes change to existing processes ✓ Utilizes existing boxes ✓ Reuses store containers
Optimal container utilization Controlled overfill, box shake, and unique box collars ensure optimal container utilization, often better than manual packing.	✓ Reduces transportation costs ✓ Eliminates repacking labor ✓ Reduces downstream store labor
Dynamic Store Allocation and Wave Management Dynamically match stores to available destinations to maximize throughput. Ability to breakdown and manage large waves.	✓ Avoids costly changes to WMS ✓ Maximizes asset utilization ✓ Matches system throughput to store volume

Why Berkshire Grey?

BG's cutting-edge, AI-enabled robotic technology is built and managed by a world-class team to operate reliably in the toughest warehouse environments. We deliver immediate, performance-driven results backed by successful deployments across the globe. Berkshire Grey's automation solutions are available via CapEx or RaaS pricing models.

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