



Berkshire Grey's 4th Generation Robotic Product Sortation systems pick and sort millions of items around the clock for major retailers — automating break pack operations for store replenishment and large eComm order fulfillment.

The Challenge

- Meeting rapidly growing demand for fulfilling orders with individual items and less-than-case quantities within existing facilities.
- Increasing break pack order processing capacity while reducing labor and physical footprint.
- Sorting 100% of SKUs without pre-handling such as bagging or case decanting.

Berkshire Grey's Solution

- Makes order selection operations faster and more efficient with a single solution across omni-channel.
- Replaces manual picking and has higher efficiency than other automation solutions, leading to reduced labor costs and accelerated throughput.
- Easily and scalably integrates with existing material handling systems such as an ASRS.

The Benefits of BG RPS/RSPS

- Up to 4X improved labor efficiency over manual piece picking, and up to 2X compared to other automation solutions.
- Up to a 10% higher maximum order container fill rate.
- Matches or exceeds other automation solution throughput using up to 50% less space.
- Handles nearly 100% of typical less-than-case SKU assortments.
- Enables “right sizing” of a complementary ASRS to up to 30% cost/size reduction.
- Scales to accommodate processing 100s-1,000s of orders simultaneously with an industrial grade, distributed-reliability design that maximizes up time.
- Requires virtually zero time to train operators, and requires no new maintenance staff.

Why Berkshire Grey?

Berkshire Grey is a thought leader in Intelligent Enterprise Robotics. We have a proven track record of delivering innovative automation that transforms the way our customers do business. We have a deep understanding of break pack operations with significant real-world success integrating with a wide variety of ASRS systems. Our robotic technologies are producing incredible results with high volumes — **decades worth of total picks** — across dozens of customer sites today.





Higher Performance and Accuracy

- Matches or exceeds typical sorter performance using 50% less space and 50% less labor.
- Right sizes complementary ASRS systems to up to a 30% cost/size reduction.
- Improves shipment capacity up to 10% over existing maximum fill rate.



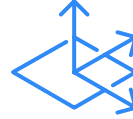
Reduced Labor Costs

- Up to 4X improved labor efficiency.
- Train in virtually no time and perform maintenance with existing staff.
- Zero walking picking, no pick singulation, and automated takeaway improve order rates.



Best In Class SKU Coverage

- Handles nearly 100% SKU assortments and picks directly from vendor cases, including apparel, electronics, housewares, packaged foods, child-care products, pet care, health and beauty items, and other general merchandising items.
- Deep machine learning optimizes SKU handling, even with missing/inaccurate WMS data.



Scalable and Flexible

- Scales to accommodate processing 100s to 1,000s of orders simultaneously (items picked per week can scale into the millions).
- Supports on-the-fly allocation of outbound containers and works with configurable container sizes and batches.
- Sort directly to store containers, improving pack-out rates and allowing right-sizing of outbound boxes.



Automated Sorting

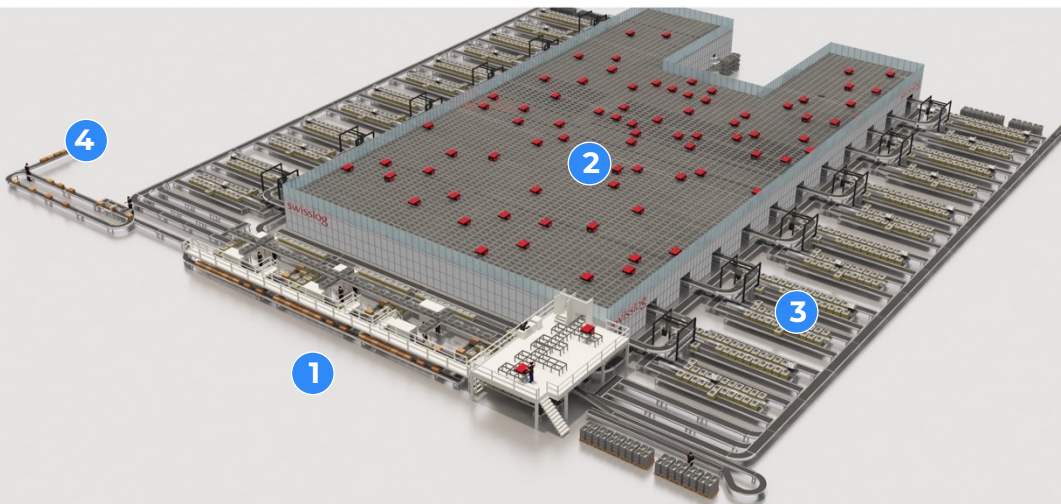
- Improves accuracy by automatically sorting selected items to the correct location.
- 1 tote presentation feeds up to 120 orders simultaneously per station, or up to 1,000's over orders across multiple systems.



Easy Integration

- Installs into existing operations with a small footprint of less than 2,500 square feet.
- Easy integration with existing software/hardware.
- Replaces manual picking without disrupting operations.

RPS/RSPS Integration with ASRS Systems for Break Pack Store Replenishment



Berkshire Grey integrates with multiple ASRS providers to amplify their solutions — producing highly automated next generation break pack operations for our customers.

- 1 – Replenishment
- 2 – ASRS Storage
- 3 – RPS/RSPS
- 4 – Order Packing