

Increase Order Fulfillment by 2X – Without Adding Labor using Robotic Automation

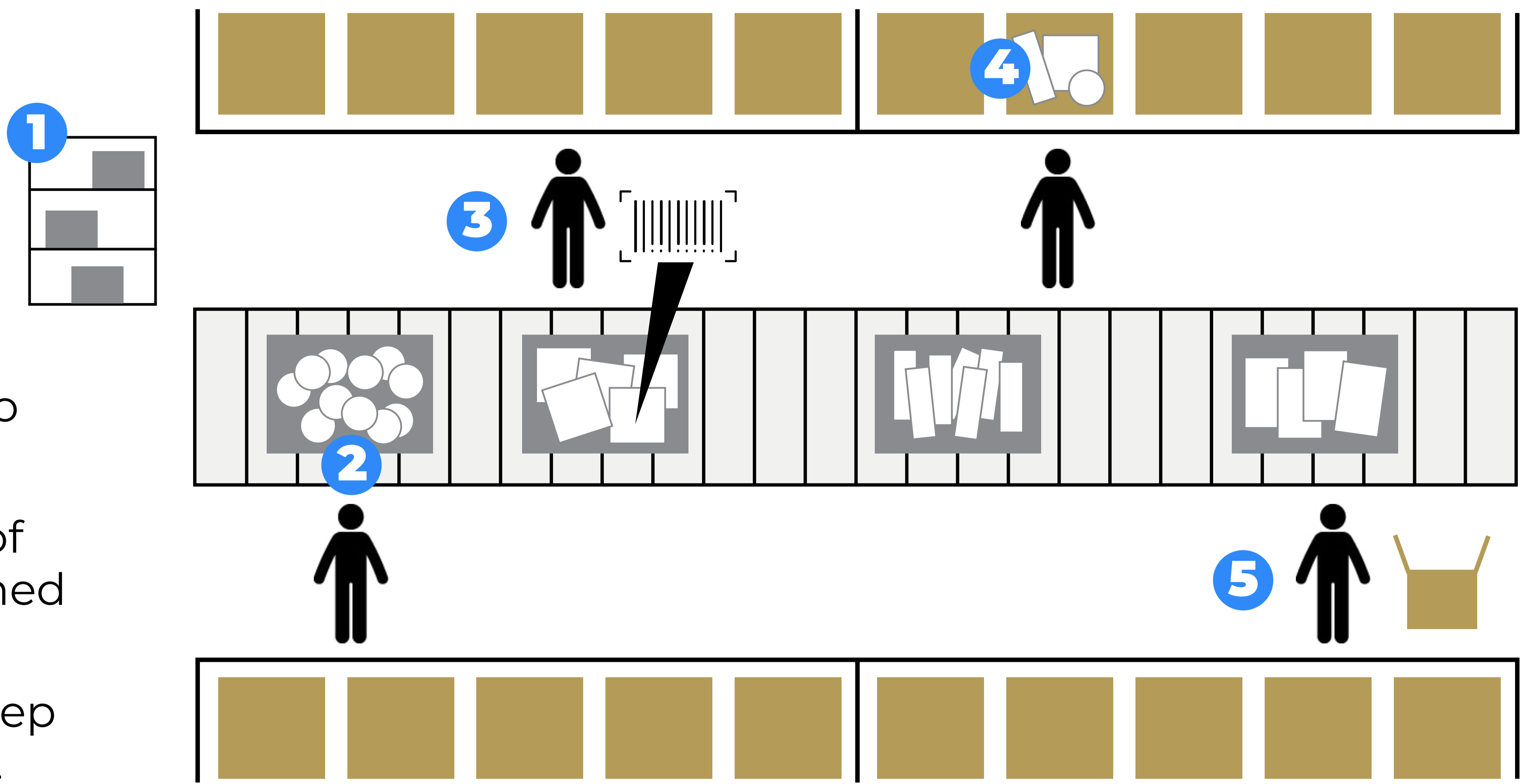
Retailers need to keep their shelves stocked to fulfill in-store, online, and buy-online-pickup-in-store orders.



BEFORE: Traditional Store Replenishment or Store Allocation Fulfillment Process

Typically, to process break pack orders for store replenishment and allocation:

- 1 Inventory is stored in containers on racks or in an Automated Storage and Retrieval System (ASRS) and moved to the pick module.
- 2 Multiple operators select items from inventory containers to fulfill orders.
- 3 Operators scan items from the totes to determine their destination.
- 4 Operators add the assigned number of items into corresponding boxes destined for stores.
- 5 As order boxes complete, operators prep each one and move them to shipping.



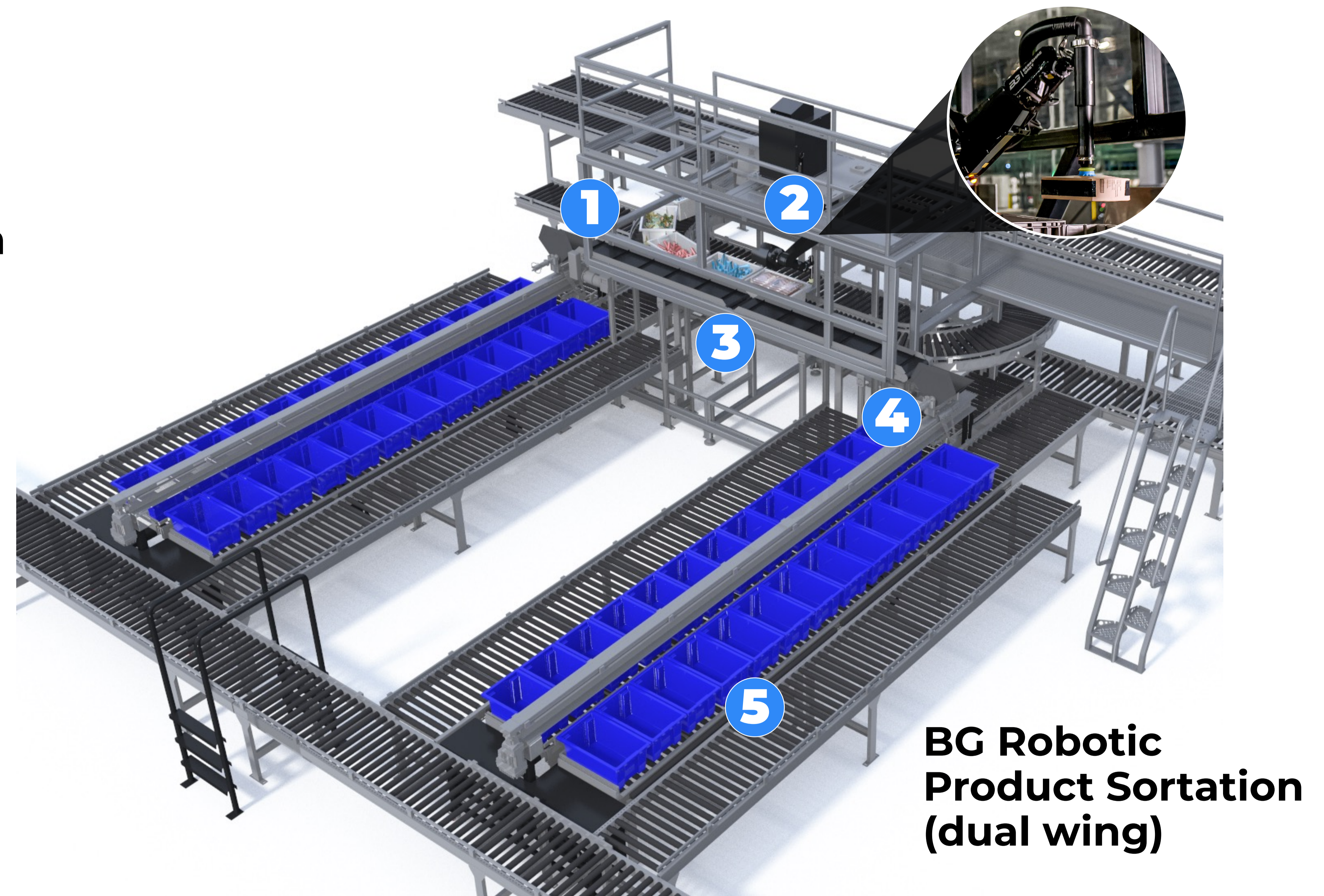
Traditional replenishment and allocation processes present challenges, such as:

- Pick modules remain labor-intensive, even with traditional automation such as conveyors.
- Existing processes require multiple operators that are often crowded together to process orders.
- Operators physically walk back and forth to gather items to place in containers destined for stores, wasting time and energy in the picking process.
- Warehouse workforces cannot handle the significant increase in order volume, which causes bottlenecks in replenishment and allocation processes.

AFTER: Retail Order Fulfillment Operations with BG RPS

Berkshire Grey's Robotic Product Sortation (BG RPS) solution can improve fulfillment throughput by 2X with no additional labor, improve shipment capacity by up to 10%, and handle typical SKU assortments.

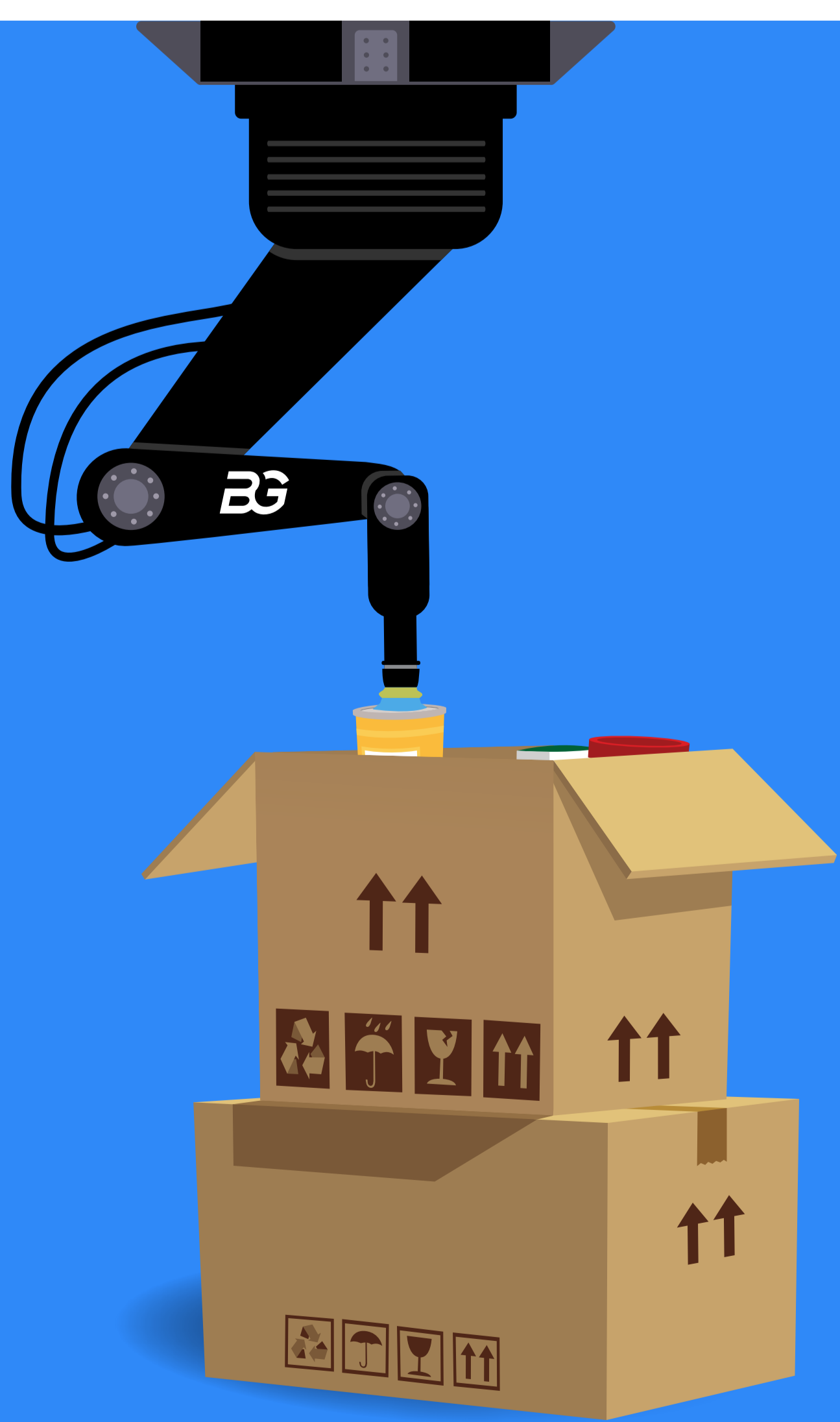
- 1 Totes of inventory arrive from an ASRS or other storage area, sequenced to accommodate proper packing.
- 2 An industrial robot supported by machine vision and advanced sensors autonomously picks individual items from the totes.
- 3 The robot places each item into one of two induction points.
- 4 Goods are transferred onto one of two robotic linear sortation slides, which deposits them into outbound containers, totes, or boxes.
- 5 When full, containers are automatically moved to a central finishing station and on to shipping.



BG Robotic Product Sortation (dual wing)

Berkshire Grey RPS enables businesses to:

- Increase throughput of existing fulfillment operations by up to 2X without adding labor.
- Improve shipment capacity and container cube utilization by up to 10%.
- Integrate order processing with automated storage and retrieval systems (ASRS) to maximize the ROI from automation designed primarily for storage.
- Scale processing in an orchestrated fashion across multiple BG RPS systems.
- Install into existing operations with a small footprint of less than 2,500 square feet.
- Support configurable order container sizes and batches.



[Learn more about BG Sortation Systems »](#)

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