

Returns Automation: Fewer Touchpoints, Faster Turnaround

How Cartesian Kinetics accelerates every step of the returns workflow for better throughput and profit

The Returns Automation Challenge

Returns are one of the most expensive parts of ecommerce fulfillment. Goods arrive in unpredictable volumes, inspections vary by product type, and putaway and restocking slow down pick paths. Every delay reduces recovery value and pressures margins.

Most warehouses rely on manual inspection and sorting, which creates bottlenecks. Teams struggle with inconsistent workflows, long processing times, and limited visibility across stations.

The Carte+ Solution by Cartesian Kinetics

Omni Rack Robotics optimized for high-volume returns workflows



Uses Existing Racking

Fits into current rack layouts with no structural changes required.



Standardized Inspection Flow

Creates consistent grading and sorting steps for faster decision-making.



Automated Movement Between Zones

Robots eliminate travel time and keep operators focused on inspection.



Faster Putaway to Pickable Stock

Moves returned items back into active inventory with minimal touch points.



Flexible for Variable Volumes

Absorbs return spikes without adding labor or slowing fulfillment.



Integrates with WMS Logic

Syncs with existing rules for disposition, putaway, and restock paths.

Operational Performance

Typical Carte+ Omni Rack Robotics returns deployments deliver:

Faster inspection and grading

Streamlined steps move items through disposition decisions with less waiting time.

Higher operator productivity

Teams focus on inspection and quality checks, while robots handle movement and routing.

Improved inventory accuracy

Real-time sync with WMS ensures each item is updated and positioned correctly.

Accelerated putaway and restock

Returned items re-enter available inventory sooner, reducing processing delays.

Fewer touch points per item

Automated transport reduces manual handling, search time, and walking time.

Shorter path back to pickable stock

The system compresses the full cycle from arrival to resale-ready inventory.

Why It Matters

Returns are a profit lever when processed fast and consistently. Carte+ gives fulfillment teams a structured workflow that absorbs volume spikes without slowing core operations. Cartesian Kinetics enables returns processing that is efficient, accurate, and built for modern fulfillment demands.

Ready to Speed Up Your Returns Cycle?

Learn how Carte+ standardizes returns workflows and keeps inventory moving without added labor.

[Start a Returns Assessment](#)