

High-Performance Fulfillment in Small Footprint

How Cartesian Kinetics enables high-throughput fulfillment in compact, urban, and proximity-based facilities

The Micro-Fulfillment Automation Challenge

Micro-fulfillment centers place inventory close to customers, often within existing retail or urban spaces. Yet limited capacity, tight delivery windows, and variable demand make traditional automation difficult to deploy.

As order density grows and labor becomes harder to scale, these operations need automation that delivers speed and flexibility within a small footprint.

The Carte+ Solution by Cartesian Kinetics

Omni Rack Robotics for space-constrained fulfillment



Small-Footprint Automation

Delivers high throughput within compact layouts common to micro-fulfillment centers.



Uses Existing Racking

Installs into standard racking to avoid facility rebuilds or major reconfiguration.



Fast Order Retrieval

Enables rapid piece picking to meet same-day and next-day delivery demands.



Low-Touch Integration

Connects to existing WMS or OMS workflows using no-code or low-code setup.



Flexible for Demand Swings

Adapts quickly to daily and seasonal volume fluctuations.



Minimally Disruptive Deployment

Designed to go live without interrupting ongoing fulfillment operations.

Operational Performance

Typical Carte+ Omni Rack Robotics micro-fulfillment deployments deliver:

Higher throughput per square foot

Compact layouts generate more output without expanding facility space.

Improved labor efficiency

Fewer operators manage higher-order volumes through automated retrieval.

Reduced travel and handling

Robots handle movement, minimizing walking and manual touch points.

Predictable integration and deployment

Low-touch WMS or OMS integration enables faster go-live with minimal disruption.

Consistent performance during demand swings

The system absorbs daily and seasonal volume changes without added labor.

Faster order picking

High-velocity piece picking supports same-day and next-day fulfillment.

Why It Matters

Micro-fulfillment centers succeed when speed and proximity outweigh scale. Automation must fit the space, not redefine it.

Cartesian Kinetics enables fulfillment teams to deliver fast order turnaround, maximize limited space, and maintain operational flexibility without expanding real estate or increasing labor dependence.

Ready to Automate Your Micro-Fulfillment Center?

See how Carte+ brings high-throughput automation to compact fulfillment environments.

[Explore Micro-Fulfillment Automation](#)