

Mixed-Picking Fulfillment Strategy Checklist

Foundational Setup

- ❑ **Audit current fulfillment workflows** to identify gaps between wholesale and retail processing.
- ❑ **Assess current tech stack** (WMS, DOM, automation tools) for compatibility with mixed-picking operations.
- ❑ **Map current warehouse layout** and SKU movement patterns.

Implementation Phase

- ❑ **Redesign warehouse layout** to place high-turn SKUs near packing zones and reduce picker travel by up to 20%.
- ❑ **Invest in workforce training** to familiarize staff with mixed-picking processes and supporting technology.
- ❑ **Introduce phased automation:**
 - Begin with **barcode scanning & mobile picking tools**.
 - Scale to **cobots, ASRS**, and **AR smart glasses** as needed.
- ❑ **Integrate AI & analytics tools** to forecast demand and route orders dynamically.

Performance Monitoring

- ❑ Set up real-time **dashboards to track KPIs:**
 - Cycle times
 - Error rates
 - Throughput
- ❑ **Review analytics weekly** to identify bottlenecks and areas for improvement.

Advanced Optimization (Mixed-Picking 2.0)

- ❑ Implement **hyper-local AI demand forecasting** to optimize inventory positioning.
- ❑ Set up **dynamic slotting and split-SKU pools** for faster picking.

- ❑ Use **predictive batch picking algorithms** to optimize pick routes.
- ❑ Deploy **IoT wearables** to monitor picker fatigue and efficiency.
- ❑ Add **smart, sustainable packing stations** to consolidate multi-order picks and reduce waste.

Continuous Improvement

- ❑ Regularly reassess fulfillment strategy based on:
 - Seasonal volume spikes
 - Customer feedback
 - Competitive benchmarks
- ❑ Stay updated on **emerging tech (e.g., AR/VR, AI)** to maintain a fulfillment edge.



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