

## Save time, space and money with **Slotting Optimization**

**I**n warehouses, like real estate, location makes a big difference. Where you place your product—“warehouse slotting”—affects productivity, worker safety and order accuracy. You want fast-moving items in the most accessible locations, kitted items kept together, heavy items placed to minimize damage, and your total storage capacity optimized.

Manhattan Associates' Slotting Optimization increases workforce efficiency, shortens order fulfillment cycles, and maximizes throughput by determining the best location to slot your inventory. It also improves customer service by strategically grouping items together for fulfillment—and updating placement recommendations based on trends and seasonal variations.

By locating warehouse inventory in the optimal slots, Manhattan Associates' Slotting Optimization improves the overall efficiency and productivity of your distribution operations.

### **The science of warehouse slotting**

Slotting Optimization uses data on each product's physical characteristics and order frequency to calculate a relative value for each position its slot might inhabit within your facility. It aggregates these values for all products, and compares millions of move combinations against your user-configured strategies to determine the optimal layout for your warehouse. With Slotting Optimization, you can:

- Determine the best placement of inventory
- Solve space utilization problems by determining the appropriate storage capacity and volume-balancing levels
- Maintain your preferred item sequencing and family groupings
- Import sample sets of data and simulated picking assignments to enable advanced cost analysis and determine optimal personnel placement
- Capture data and simplify analysis for tracking key slotting performance indicators
- Recommend incremental adjustments as products are added or deleted to meet seasonal demand, or to accommodate other changes as they occur

Slotting Optimization—part of SCOPE®, Manhattan's platform-based approach to supply chain optimization—enables you to make timely, intelligent decisions as ordering trends change.

# Slotting Optimization

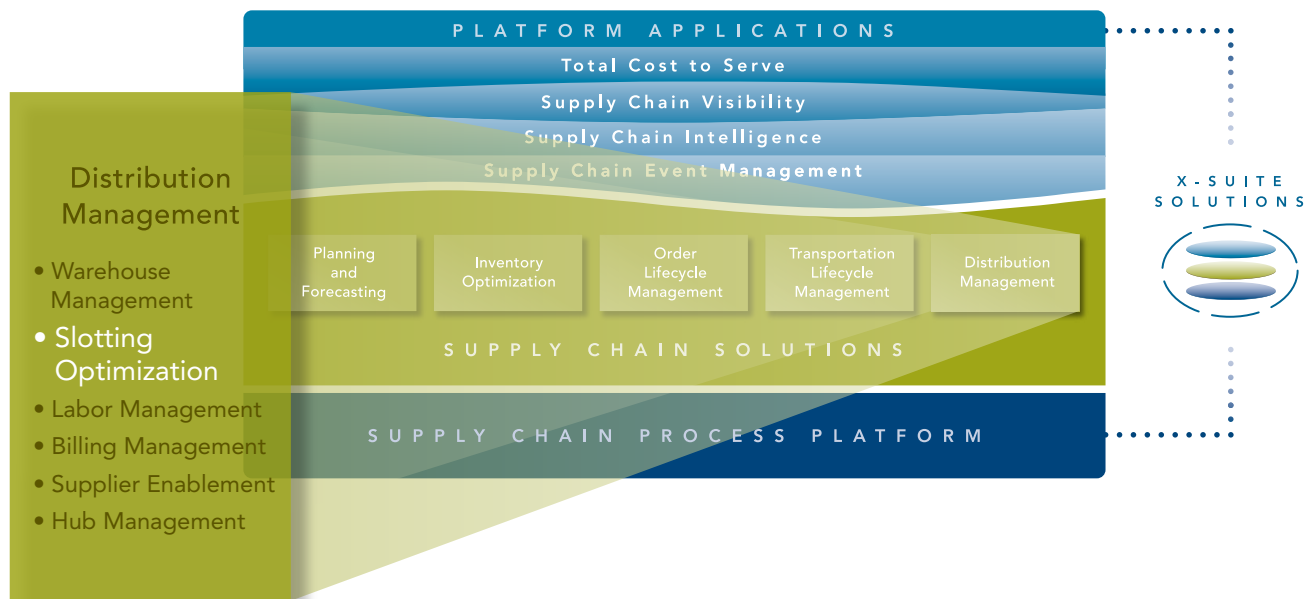
Organize by velocity to maximize throughput  
 Balance volumes to decrease bottlenecks  
 Identify "golden zones" to reduce worker fatigue and accidents  
 Keep similar items separated to reduce mispicks  
 Group by product families to improve customer service  
 Optimize placement to reduce product damage

Include ergonomic factors in slotting recommendations to reduce workforce injuries  
 Determine optimal capacity of pick locations to reduce replenishment trips  
 Simplify picking by storing kitted items together  
 Sequence by weight or crushability to improve outbound pallet integrity  
 Apply customized filters to target specific SKUs for re-slotting

Automate the slotting process to minimize manual tasks  
 Recommend incremental placement revisions based on seasonal profiles or trends to maximize productivity without costly overhauls  
 Offer a color-coded screen that visually represents the entire warehouse or specific zones, aisles and location ranges to simplify slotting assessment  
 Integrate with Manhattan's Labor Management solution for precise move cost-benefit analysis

## **Manhattan** SCOPE<sup>®</sup> Distribution Management Supply Chain Optimization...Planning through Execution

Slotting Optimization is part of Manhattan Associates' Distribution Management suite—managing complexity to yield organized optimization.



### The Manhattan Difference: Supply Chain People Thinking Differently About Supply Chain

We've earned recognition as The Supply Chain People<sup>®</sup> for a reason: We think differently about supply chain. Manhattan's 'think-tank' is unmatched in both staff resources and collaboration with the best minds in business, industry and academia. By applying the latest advances in supply chain know-how, our Platform Thinking<sup>™</sup> approach is the optimal way to manage supply chain complexity and generate proven, real-world results for business. For two decades, this platform-based approach has helped companies worldwide achieve measurable efficiencies and return on investment. In fact, more than 1200 companies, representing many of the world's best-known brands, leverage Manhattan solutions to advance their supply chain leadership.



Manhattan Associates is committed to developing supply chain solutions that foster environmental stewardship.

#### Learn more about Manhattan Associates and our solutions:

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The Supply Chain People<sup>®</sup>