



Advanced Slotting

Warehouse management built for the future

Evolve how you run the warehouse with cognitive capabilities for complex dynamic warehouse operations with endless adaptability and continuous improvement

Business challenge

Warehouses face challenges managing an increasing volume of products with fluctuating demand patterns while at the same time trying to optimize limited space and manage operational costs.

Traditional warehouse slotting systems are based on static, rule-based approaches that often rely on periodic manual re-slotting events that immediately become out of date and fall far short of addressing the dynamic and evolving needs of modern logistics.

The result, an endless cycle of product slotting, de-slotting and re-slotting that drives unnecessary costs, inefficient operations, and unfilled customer orders.

Advanced Slotting capability

Fully integrated into the Blue Yonders industry leading Warehouse Management solution and powered by agentic AI, advanced algorithms and machine learning (ML).

This innovative capability provides a dynamic, data-driven approach to slotting, enables continuous optimization that ensures the right product in the right slot at the right time. Every time.

Built on an Optimization Solver and integrated with its own Slotting Agent. Advance Slotting leverages advanced AI and machine learning algorithms combined with real time demand forecasts. It transforms slotting from a reactive, rules-based process into one led by continuous proactive data-driven decision-making that minimizes pick travel time, reduces congestion, maximizes space use while optimizing end to end movement cost.

The result is a completely reinvented slotting process eliminating the need for manual seasonal re-slotting events that only reduce warehouse productivity, drive unneeded operational costs, and reduce customer satisfaction.



Key Benefits with Advanced Slotting

- Up to

30%

reduction in warehouse pick travel time

- Up to

12%

reduction in warehouse costs

- Improved warehouse efficiency
- Higher customer satisfaction
- Elimination of seasonal re-slotting events

Capability offerings

Agentic AI for Slotting

- An AI co-pilot that turns warehouse data into actionable decisions
- AI that delivers a real-time pulse on slotting accuracy and efficiency
- A partner that provides recommendations with clear explanations so you can execute with confidence

AI powered forecasting and analysis

- AI and machine learning that forecasts demand, identifies opportunities, and optimizes decisions based on data-driven insights
- Analysis that adapts to real time changes in demand, inventory, and operations to optimize every slotting decision

Breaks down operational silos

- Integrates slotting decisions across inventory management, replenishment, and labor planning to break down operational silos while maximizing efficiency
- Reduces the need for seasonal re-slotting and de-slotting events

Balances optimization and operations

- Aligns dynamic slotting optimization with your long-term warehouse operational strategy
- Anticipates operational needs and proactively aligns slotting to avoid disruptions, ensure seamless and efficient operations

Continuous optimization

- Daily slotting plan that continuously forecasts optimal slot counts and locations
- Daily Slotting Health Metrics Reporting showing optimal slotting plan versus current slot positioning

Automates Slotting decisions

- Automates slotting decisions and execution, reducing manual effort and allowing teams to focus on high-value tasks

Key Features

Continuous Slotting

- Forecasts optimal slot counts and locations to reduce pick travel time and maximize fill rate
- Continuously adapts to demand fluctuations and inventory changes
- Allows for custom constraints and overrides

Autonomous Re-Slotting

- Shifts slotting away periodic events to a continuous and automated process

Continuous improvement

- Evaluates items for slotting and recommends optimal moves
- Chained slotting tasks seamlessly executed via integration with Warehouse Management

One solution for the entire warehouse

Advanced Slotting is just one of the many cognitive capabilities included with Warehouse Management.

Our next generation warehouse management solution builds on 25 years of proven, robust capabilities with paradigm shifting innovation to better predict, plan, adapt, and unify warehouse operations.

To learn more about building the warehouse for the future

Contact your Solution Rep or visit blueyonder.com