

RDS Batchbot™

Double productivity with RDS Batchbot for voice-directed goods-to-person (G2P) picking.

Numina Group's Real-time Distribution Software (RDS) includes all the tools needed to accelerate order fulfillment. RDS manages RDS Batchbot to increase pick, pack, and ship productivity while lowering labor requirements.

RDS provides advanced order planning such as prioritized batch or continuous wave order release with cartonization logic to direct the right-size shipping cartons. RDS includes pre-developed interfaces to manage the AMRs and other G2P picking and storage solutions.

RDS Batchbot combines the efficiency of pick-by-voice with autonomous mobile robots (AMRs). You gain a unified, highly efficient solution that streamlines and accelerates employees' work. Employee walk time is reduced, and the robots do all the heavy lifting.

Making the right AMR application choice is critical. Numina can help you choose the right mobile robot for your warehouse automation goals, such as the ideal AMR for an efficient batch order picking process using RDS software to manage robot-directed large capacity carts.

RDS selects a group of up to 30 orders based on an optimized travel path, picking density, cube, and weight velocity, and assigns orders to the closest available Batchbot AMR.

Consistently High Productivity Gains

RDS Batchbot productivity consistently exceeds expectations. One Numina client is now shipping **50% more packages per day with 50% less labor.**

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We went from under 100 picks per hour to having our top pickers perform at 250 picks per hour in a mixed eaches and case pick operation with greatly reduced errors.

Adam Greenberg
Founder and CEO, Northshore Care Supply

The RDS Victory Voice pick-by-voice solution with hands-free barcode scanning provides single-touch 99.9% accuracy and a 2X gain in AMR-based picking productivity.

Numina's Victory Voice solution is ideally suited to order picking, especially batch picking of 20+ orders with a mix of both "each" items and full-case picks. It combines a wearable touch-screen message display with voice commands, alerts, responses, and hands-free barcode scanning to enforce greater efficiency.

Victory Voice's natural language AI voice recognizer is highly intuitive, easy-to-use, and requires zero operator voice training, so new workers are productive in as little as 15 minutes!



STEP 1

RDS Batchbot goes to the first pick zone, and Victory Voice directs the closest operator to the cart.



STEP 2

The operator scans the cart barcode. Victory Voice directs the employee's picking tasks.



STEP 3

RDS combines voice instructions, barcode scans, and voice responses to validate placement on the cart.



STEP 4

The Batchbot AMR automatically advances the cart to the next location.



STEP 5

When picking is complete, the Batchbot advances to subsequent pick zones.



STEP 6

Pick-completed carts self-transport to an open pack station and are automatically dropped and available for the next mission.

RDS Batchbot Features and Benefits

- Optimizes the movement of AMRs and workers to reduce walking, boost productivity, and eliminate manual cart pushing.
- Automated order start, cart pick-up, and drop-off to ensure 90% utilization and a higher ROI.
- Supports both manual pushcarts and AMR Batchbot.
- Configurable across picking and storage technologies to create a united order fulfillment solution.
- Larger batch carts increase picking density by handling a wide variety of cartons and totes to a 1,000 lb weight capacity
- A fleet of 6 RDS AMR Batchbots can outperform 25 AMRs with a fixed 3 to 6 tote capacity cart.
- Rapid ROI compared to conveyor systems or a large fleet of small capacity AMRs.

RDS Batchbot Features and Benefits

- **Disruption-free installation** – fast warehouse mapping, omni-directional precise maneuvering, and delivery.
- **Wireless charging** provides low maintenance contactless auto-charging for multi-shift operation.

Proven, Flexible Software-based Automation Solutions

Numina Group is an independent system integrator with more than three decades of experience designing and implementing warehouse automation solutions.

RDS is a modular, scalable, and proven warehouse execution and control system with a complete family of automation modules to reduce labor costs and increase profitability. We partner with you to select the right blend of technologies to yield the greatest labor savings and highest ROI for your business.