



Pick Assist AMR

Our Pick Assist AMR utilizes the most advanced “order-to-person” collaborative mode, eliminating the need for manual route planning, warehouse redesign, or human intervention. When the order comes in, the robot intelligently plans its optimal path based on the order details. It then guides the nearby worker to place the goods onto the robot’s carrier. Once the order is placed, the robot autonomously proceeds to the next pick-up point. The worker does not follow any single robot, but simply moves within a small area and cooperates with different robots.

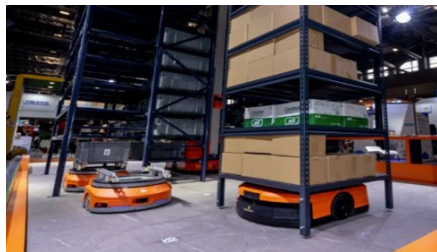
Comparison of Sorting Modes

Investment: **LOW**
Operational costs: **HIGH**
Efficiency: **LOW**



Person-to-Goods
Workers run to each storage location to pick up items according to the order list and bring them to the shipping area.

Investment: **HIGH**
Operational costs: **MID**
Efficiency: **HIGH**



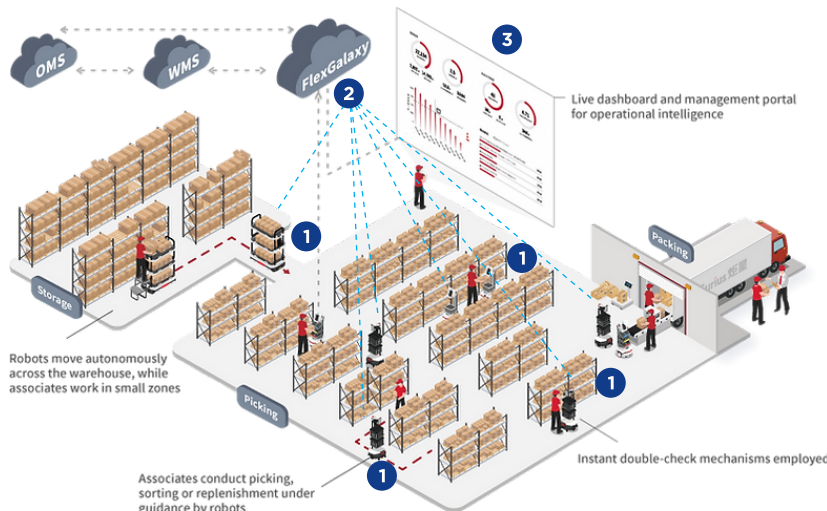
Goods-to-Person
Workers stay at the sorting area and goods are brought to the workers by automated system, such as AGV/AMR.

Investment: **MID**
Operational costs: **LOW**
Efficiency: **HIGH**



Order-to-Person
Robots intelligently plan pick-up sequence based on the order task. Upon reaching the storage location, it guides the nearby workers to place the goods into the carrier.

System Configuration



1



AMRs are navigated by VSLAM and do not need physical guidance like QR label or meg tracks.

2



FlexGalaxy is the IT/OT system interface which obtains order information from customer ERP.

3



RCS (Robot Control System) is a cloud-based system that generates handling tasks according to the order information, then dispatches to AMRs.

2X-5X Efficiency | ≤1 Day Deployment | 50-80% Labor Cost Cut | 99.99% Accuracy | 80% Less Training | Without Disrupting Operations



Cosmetics



Clothing & Apparel



Pharmaceutical



Consumer Electronics



Retail



E-Commerce



3PL



Manufacturing

- ✓ **2X-5X Efficiency**
A breakthrough in efficiency achieving greater ROI. Payback in 10 months - 2 years. Lower maintenance and operation costs
- ✓ **Rapid Deployment**
No need to change the current layout and racks. No interruption to daily operation. It takes only 4 hours to complete deployment in a 1000m² warehouse.
- ✓ **Instant Adaptability**
Pick Assist AMRs aren't fixed assets so changing workflows or re-deploying them to other locations is a breeze. Move autonomously without extra markers or fixed installation.
- ✓ **Live Dashboard (Data Visualization)**
Make operation management easy and efficient. Check real-time progress, task status, heat maps, etc.
- ✓ **Mezzanine Management**
Robots can run smoothly at mezzanines without structural change optimizing multi-level fulfillment.