

# Autonomous Mobile Robots

**Safe. Efficient.  
Flexible. Reliable.**

BROCHURE

## Results You Can't Bolt Down

Business picking up? AMRs can help you boost fulfillment speeds to keep up with customer demand. Install and activate a new system in as little as a few weeks. Phase in additional AMRs as needed.

Autonomous Mobile Robot (AMR) solutions offer a flexible means of transportation and open up expanses of warehouse space typically consumed by conveyor or monorail. These bots transport goods and materials throughout your warehouse using environmental features to safely navigate around people, equipment, and inventory.

AMRs are an exciting addition to the Dematic portfolio. Only Dematic AMRs are designed to easily integrate with other innovative Dematic solutions and offer the ongoing support and expertise of our Dematic Lifecycle Services team.

### APPLICATIONS

- Moving pallets between functional areas (for example, receiving to storage, picking to shipping)
- Line-side supply and delivery
- Small and large assembly platforms

### CHALLENGES ADDRESSED

- Fulfillment speed
- Employee safety
- Scalable operations
- Footprint optimization

▷ **AMRs offer a safe, flexible alternative to conveyor, monorail, and manual forklift truck transport.**





- ▷ Dematic AMRs meet stringent CE and ISO standards for safety, and they're the only AMRs on the market backed by Dematic's innovative solutions and trusted service expertise.

## On the *Invisible* Path to Greatness

Dematic AMRs use QR code stickers on the warehouse floor to track the most efficient path from point A to point B. These stickers work like invisible guides, while still enabling flexibility and autonomy. Driven by advanced software algorithms, each AMR constantly monitors its surroundings to stop for safety or reroute for efficiency — all based on the environment around them.

### Lifecycle Services for AMRs

- Support hotline for launch, software, and technical assistance
- Scheduled maintenance to prevent unscheduled interruptions
- Parts package to replace components that impact vehicle performance
- Access to spare AMR fleet to maintain operations in the event of a vehicle malfunction
- Complete eLearning program for operator safety and performance
- Business continuity planning for output growth management

### When are AMRs a Good Fit for Pallet Transport Applications?

Dematic experts work closely with you to understand your unique needs, and they take a holistic view of available solutions to help you meet your goals. Whether it's AMRs, conveyor, monorail or forklift truck, we'll help you get to the solution that's right for you.

A Dematic AMR solution for pallet transport may be ideal if you have:

- Pallet transport distances of 30.5 m (100 ft) or greater
- Pallet loads less than 1,500 kg (3,306 lbs)
- Pallet throughput less than 400 pallets/hr
- Single-location pickup or drop-off volume less than 120 pallets/hr

Power the Future of Commerce.



- ▷ If you are interested in learning more about this topic and how we can help, please contact us.

🌐 [TotalWarehouse.com](https://TotalWarehouse.com) ☎ (833) 868-2500