

Logistic & Warehouse Automation Solution

HOW AUTOMATION SOLUTIONS CAN HELP?



Worker Safety Concerns and Fatigue from Manual Labor



Robots can handle repetitive and physically demanding warehousing tasks, allowing employees to focus on more creative and fulfilling activities.



Manual Labor Capacity and Human Errors

MAXIMIZE SPEED, SPACE AND FLEXIBILITY IN WAREHOUSE OPERATIONS

The logistics industry involves consumer-related and operational challenges. Consumers want fast, low-cost delivery and the full availability of options, while warehouses experience labor scarcity, limited space, and the need to ensure accuracy.

Let's explore how Omron solutions can address the logistics challenges effectively.

PALLET MOVING

Free workers from their forklifts with automated pallet movers.



Many warehouses use forklifts – which are driver-dependent, space-consuming, and often dangerous – to move pallets. The HD-1500 AMR can transport pallets or other heavy payloads through narrow corridors while keeping your team safe and products damage-free.

Key features:

- Large payload capacity (1,500kg)
- High positioning accuracy with 360° safety
- Best-in-class navigation software

ORDER PICKING

3D vision combined with cobots makes automated picking more reliable and creates massive productivity gains.



Built-in 3D vision allows for quick setup and easy deployment for picking applications. The industry first Mobile Manipulator (MoMa) solution puts 3D vision in motion and maximizes order picking flexibility throughout your facility.

Key features:

- Built-in, intelligent 3D vision
- Mobile order picking solution
- Suitable for eCommerce order fulfillment
- Maximize ROI through Omron financing services

PALLETIZING

Collaborative robots enable flexible and space-saving pallet building.



Omron TM cobots are geared toward manufacturers seeking to boost production and reduce employee fatigue by automating repetitive tasks such as machine tending, loading and unloading, assembly, screw driving, gluing, testing or soldering. Whether you're working in automotive, semiconductors, secondary packaging for food, plastics, or machine tools, the Omron TM Collaborative Robot is designed to adapt to almost any industry.

TOTE MOVING

Mobile robots with a small footprint automate the transportation of light payload.



Bring flexibility to your warehouse with a reliable solution that requires minimal facility modifications. The Omron LD series mobile robots are ideal for fast-paced, dynamic environments requiring delivery/retrieval to 'free up' associates that are better served in high-valued tasks.

Learn more with these resources:

- Best-in-class navigation and safety
- Advanced fleet management
- Easy integration and scalability