MHM AUTOMATION
A Fortifi Company

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AUTONOMOUS MOBILE ROBOTS

AMRs

Safely automate pallet and crate movements, even in a congested working environment.

Autonomous Mobile Robots (AMRs) are a flexible, adaptable solution for automating intralogistics operations.

AMRs can safely work around people and obstacles, using dynamic digital maps and onboard camera and laser-based navigation systems. They can be quickly configured and mapped for fast implementation and are easily re-programmed when operational needs change.

A fleet of AMRs employed at a single facility can communicate with each other to optimise traffic flow, improve operational efficiency and avoid collisions with each other. They can also integrate with production PLC systems, to provide a real-world IoT solution to a plant's automation.

AMRs are a proven technology with an attractive return on investment (ROI).

APPLICATIONS

- Movement of product on pallets or in crates
- Within a warehouse or production facility
- Suitable for congested working environments

BENEFITS OF AMRs OVER PALLET CONVEYORS

- Greater flexibility of layout design
- Can better accommodate small footprint operations or awkward factory layouts
- Easily expanded to meet future needs
- Faster, lower cost installation and commissioning
- Less moving parts, resulting in lower maintenance costs
- Spare units can be supplied to ensure uninterrupted service

BENEFITS OF AMRs OVER AGVs

- Safely works around people and obstacles
- Lower set up cost and fast implementation
- Co-ordination and flow – a fleet of AMRs at a single facility can co-ordinate with each other to maximise efficiency and traffic flow
- Trackless navigation, depots not required
- Can deliver to user locations
- Flexible and adaptable – easy to re-map on site or remotely when products, layouts or delivery routes change
- Easily expandable to accommodate growing production or distribution requirements

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Learn more and watch videos of Autonomous Mobile Robots (AMRs) on our website.

▶ See it in action

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