



Pallet Transfer Autonomous Mobile Robot (AMR)

Automated Transportation

Effortlessly transfers totes, pallets, boxes, and other materials automatically.

Self-Guided Navigation

Navigate independently throughout the facility without lines or magnetic strips.

Enhance Productivity

Small footprint and increased adaptability optimize internal logistics.

Continuous Operation

Constructed for a long lifetime, easy serviceability, and constant operation.

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Pallet Transfer AMR

The Simplimatic Pallet Transfer AMR is a fully integrated autonomous mobile robot (AMR) with transfer conveyor. It facilitates easy integration of autonomous transfer pallets and gaylords in an existing facility. This system is made to dock to end of line roller or drag chain transfer conveyors and transfer loads automatically. The MiR1350 robot navigates autonomously throughout the facility without the aid of lines or magnetic strips and will actively reroute itself around obstructions in the path. This AMR can operate with < 10% charging downtime with the MiRCharge 48V charging unit.

Features and benefits

- MiR1350 AMR
- Product load capacity up to 1000 kg [2212 lb]
- Fully enclosed top unit
- 2.5" Diameter roller conveyor as standard
- Integrated product transfer sensors
- Self-guided navigation
- Integrated controls
- Top mounted dome indicator LED lights
- E-stop push buttons at all 4 corners
- Customizable sounds
- 360 deg LED indicator lighting
- Automatic charging with MiRCharge 48V charging station

Optional Features

- Dual level conveyor
- MiRFleet control system
- Simplimatic System HMI custom equipment integration software and user interface

Specifications	
Overall Length	1350 [53.2"]
Overall Width	1416 mm [55.8"]
Overall Height	752 mm [37.5"]
Roller Height	610 mm [24"] is standard, other heights as custom
Travel Speed Max	1200 mm/s
Continuous Uptime	90%+ typical
Safety Compliance	CE, EN1525, ANSI B56.5, ISO3691-4, RIA15.08, ISO13849-1
Communication	WIFI 2.4 GHz 802.11 g/n, 5 GHz 802.11 a/n/ac
Environment	IP52

