

AUTONOMOUS MOBILE ROBOT (AMR)

HEALTHCARE
SOLUTIONS



swisslog

Why an Autonomous Mobile Robot (AMR)?

Is your laboratory staff burdened by constantly having to manually transport specimens throughout the lab? If so, we have the solution. A Swisslog autonomous mobile robot (AMR) dramatically reduces manual transport tasks within hospitals and independent laboratories. With a payload capacity of 50 lbs, AMRs shorten turnaround time and increase operational efficiency by returning man-hours for value-added work. AMRs require no facility modification, install quickly, and are easy to maintain and use. Laser guidance enables avoidance of people and objects for safe operation in any environment.



Features

- > 12 pre-programmed destination buttons
- > Drive-around mapping with laptop adjustments
- > No need for central computer control
- > Laser guidance assures obstacle avoidance and human safety
- > Battery powered from standard wall outlet
- > Turns on its axis and navigates narrow hallways
- > Available for purchase or lease

Benefits

- > Easy operation assures immediate productivity
- > Operational route quickly programmed and easily modified
- > Low operating costs
- > Safely operates in any environment
- > Increases delivery frequency 24/7
- > Delivers to any location
- > Payment flexibility

Applications

- > Central hospital laboratories
- > Independent laboratories, reference labs or off-site central labs
- > Hospital pharmacies

SpeciMinder™ for INTRA-Laboratory Transport

Swisslog's SpeciMinder is an AMR that dispatches and delivers non-routine, batch payloads of specimens, tissues or other items within the lab's four walls.



Benefits:

- > Shortens turnaround time for validated lab results
- > Reduces manual transport of specimen batches
- > Lowers operating cost with fast ROI
- > Improves workflow process

SpeciMinder improves efficiency by allowing staff to remain at their workstation.



Designed with Safety in Mind

An on-board laser guidance system assures precise navigation in crowded hallways and in tight quarters. Voice activated messages alert staff of the robot's presence. AMRs can signal doors to automatically open for passage and will command elevators with an optional elevator interface to access different floors of a hospital.

Simple to Use

Once an AMR payload tray is loaded, a destination button is selected and the robot selects the most efficient delivery route. After all deliveries are made, the AMR returns to central processing. AMRs automatically dock at charging stations when idle or when battery recharging is required.

RoboCourier™ for Secure INTER-Departmental Transport

Swisslog's RoboCourier is designed for inter-departmental materials transport. Like SpeciMinder, RoboCourier has an obstacle avoidance system and will be able to interface with automatic doors, but has added features including elevator interface and a secure payload compartment. These additional features allow RoboCourier to navigate multiple floors throughout the entire hospital.



Benefits:

- > Secure materials transport with lockable storage container
- > Hospital-wide access by traveling through doorways, on elevators and through public corridors



Swisslog – *Simply Better*


- > Outstanding Product Performance
- > Superior Product Reliability
- > Visionary Product Innovation
- > Excellent Customer Service and Support
- > Speedy Return-on-Investment



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