



AUTONOMOUS MOBILE ROBOT (AMR) ROBOCOURIER™

HEALTHCARE
SOLUTIONS



Scan to see RoboCourier in action!

swisslog

Why an Autonomous Mobile Robot (AMR)?

Is your laboratory staff burdened by constantly having to physically 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 100 lbs, AMRs can 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.



Applications

- > Hospital laboratories
- > Central sterilization
- > Independent laboratories, reference labs and off-site central labs
- > Hospital pharmacies
- > Materials management
- > Food services
- > Blood bank

Benefits

- > Contributes to lean process improvements by increasing efficiency, maximizing operations and improving flow
- > Increases staff productivity by removing non-value added tasks such as walking and waiting
- > Drives value with less time and fewer resources
- > Decreases batching and wait times, thus improving turn around time (TAT)
- > Reduces the cost of labor to perform each test
- > Increased profitability by improving TAT and throughput

Features

- > 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 360 degrees and navigates narrow hallways
- > Pre-programmed destination buttons
- > Available for purchase, lease or short-term rental



Containers designed for INTRA or INTER-departmental Transport

RoboCourier is available with containers designed for transport within the four-walls of a lab or other department, or for transport between departments across a hospital or other facility. RoboCourier delivers specimens and other items to and from lab cells using an open container. RoboCourier can also deliver shared specimens between lab cells by using a call button to summon the robot. RoboCourier also securely transports medications, supplies or other materials using a locking container. The obstacle avoidance system can be paired with optional automatic door/elevator interface to allow RoboCourier to navigate multiple floors throughout an entire hospital.

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 bin 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 the docking station. AMR's automatically return to charge at the docking station when idle or when battery charging is required.



INTRA-Lab Transport Benefits

- > Improves continuous flow
- > Helps improve TAT
- > Reduces manual transport of specimens
- > Avoid batching and wait times of specimens
- > Lowers operating costs with fast ROI
- > Provides a simple lean solution

Internal bin dimensions: 15 ³/₁₆" x 12 ¹/₄" x 10 ¹³/₁₆" high.



INTER-Departmental Transport Benefits

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

Internal bin dimensions: 13 ¹/₂" x 11 ³/₄" x 11 ³/₄" high.






Swisslog – *Simply Better*

- > Outstanding Product Performance
- > Superior Product Reliability
- > Visionary Product Innovation
- > Excellent Customer Service and Support
- > Speedy Return-on-Investment
- > Ongoing R & D Commitment

For More Information in North America:

Swisslog Healthcare Solutions
Email: healthcare@swisslog.com
USA: 800.764.0300
Canada: 877.294.2831 | 905.629.2400

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