

AutoGuide MYLO Tunneling Mobile Robot

Streamlining Assembly Line Processes

MYLO autonomous robots glide smoothly under custom load handling frames and auto-hitch using a programmable pin assembly. They transport loads up to 4,400 pounds, then unhitch and move right to the next target. These compact mobile robots travel along defined routes using magnetic tape guidance and are managed by AutoGuide's ultra-easy, low-cost AVINU 2.0 traffic control software.

AutoGuide's low profile mobile robots come standard with opportunity charging so vehicle batteries quickly charge during routine stops for tasks such as loading and unloading, enabling your operation to run around the clock.

AutoGuide's MYLO mobile robots are outfitted with a variety of easy-to-maintain features, including individual circuit breakers for the drive motors, retractable cart engagement pin and RFID encoder.

Built in the U.S., MYLO mobile robots are available in weeks instead of months. Customers can start increasing productivity and grow their bottom lines sooner.

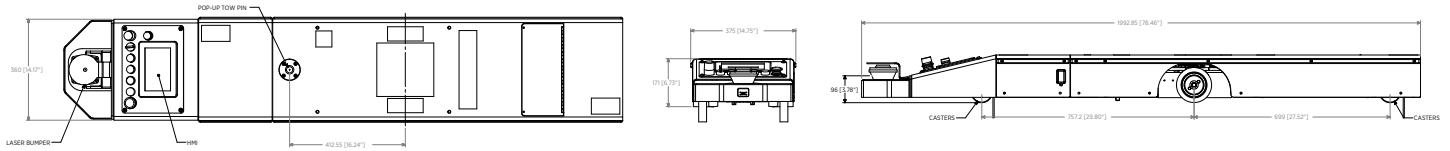
Designed to streamline assembly line processes, at just 7" tall, the MYLO tunnels under almost any customized cart, transporting loads up to 4,400 pounds, then unhitching and moving right to the next target.



Featured Highlights

- **Easy to Use** Ability to program RFID directly from the vehicle
- **Deploys Quickly** Programmable routes with fast and easy setup and changes
- **High Payload** Capacity up to 4,400 lbs (2,000 kg)
- **Smart** Programmable pin assembly for towing cart
- **Maximize Runtime** 24-volt system with 28 AMP-hour batteries with standard opportunity charging
- **User-friendly** Color HMI screen with event logs & troubleshooting
- **Flexible** Numerous custom cart options, including integrated trailer with scissor lift

Specifications



Electrical System	24 VDC/28Ah AGM battery with opportunity charging
Guidance Method	Magnetic induction
Travel Direction	Forward only
Maximum Drawbar	48 kgf
Maximum Speed	50 m/min
Travel Instruction Method	RFID, multiple routes. Tags can be programmed with vehicle.
Drive Type	Differential steer, brushless DC motors, electromagnetic brakes
Cart Engagement Method	30 mm diameter retractable pin
Drive Unit Up/Down Method	Mechanical
Control Panel Display	HMI color with status, event logs, route programming, troubleshooting tools, fault display
Wireless Communications	802.11/WiFi
Bumper	Laser obstruction sensor (category 3 compliant)
Lights	Flashing green, amber, red
Safety Circuit	Safety-rated relay, wired for E-stop & bumper
E-Stop	Button for external use
Circuit Protection	Individual circuit breakers for main, drive motors, pin, and RFID
Minimum Turning Radius	24 in. (610 mm)
Overall AGV Weight (w/Battery)	551 lbs. (250 kg)
Overall AGV Length	78.46 in. (1993 mm)
Overall AGV Width	14.17 in. (360 mm)
Overall AGV Height	6.69 in. (170 mm)
Slope	1%
Step	0.2 in. (5 mm) or less
Gap (crack)	0.8 inches (20 mm) or less
Waviness	0.4 in. (10 mm) or less
Temperature	32-104° F (0-40° C)
Humidity	35% to 85% relative humidity, no condensation
Outdoor Use	Prohibited

For more information, please contact Sales@AGMobileRobots.com