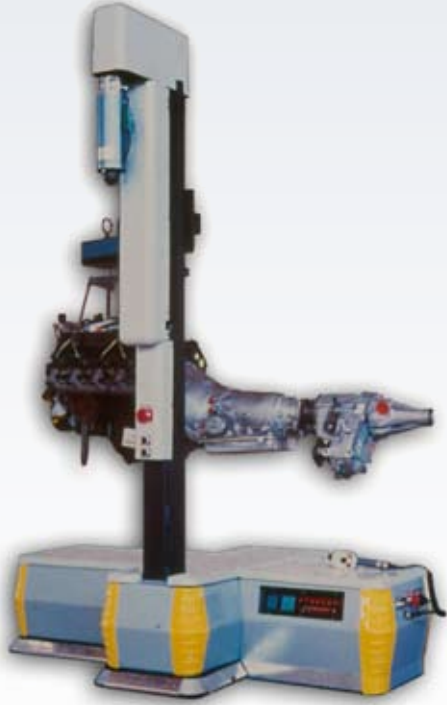


Patriot P315 Assembly with Lift



Corecon's Patriot P315 Assembly AGV allows for automation of production line operations in automotive and truck assembly facilities. Our standard unit has a lift capacity of 2,000 lbs. with an adjustable lift stroke of 24 inches allowing for maximum effectiveness for assembly line personnel.

A bidirectional single drive unit allows for a great deal of flexibility in movement and speed. The wheel suspension keeps the drive wheel in contact with the floor at all times. All wheels feature extra thick polyurethane tread for longer life and quiet operation. Electromechanical brakes are included as an integral part of the permanent magnet motor and sealed gearbox assembly. Each Patriot P315 is equipped with a battery power source. Vehicle object detection sensors reduce vehicle speed and stops vehicle travel when an obstruction is in the travel path of the vehicle.

Features

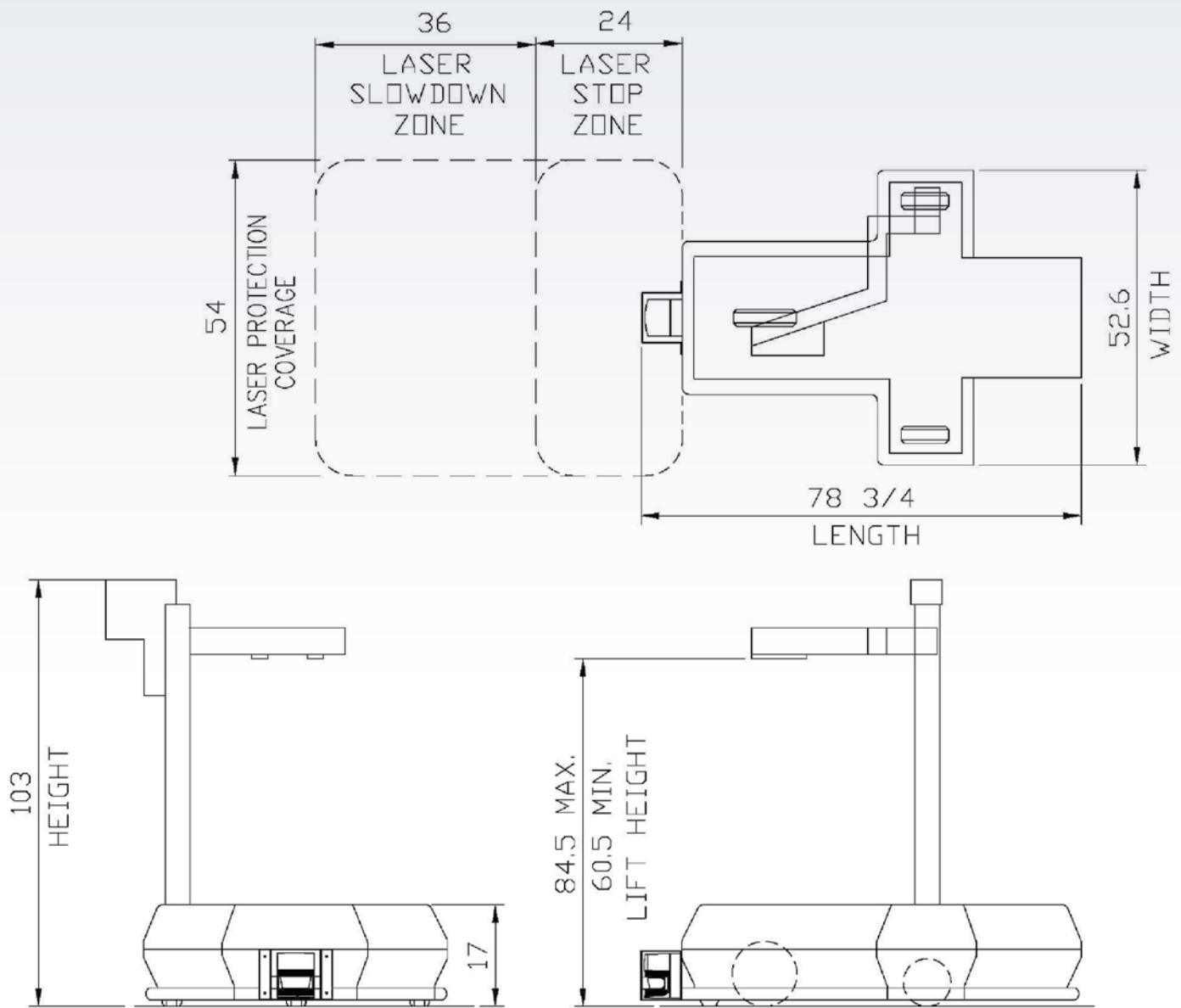
- ▶ Removable Covers Provide Easy Access to All the Electrical Components and Serve as a Parts Assembly Tray.
- ▶ Travel Drive Gearbox Gears are Hardened for Long Life.
- ▶ AGV Frame is of Welded Plate Construction.
- ▶ Corecon's Modular Control System separates AGV Functions making problem Diagnosis Quicker, Reducing AGV Downtime.
- ▶ Laser Bumpers reduce Mechanical Bumper Replacement Cost, Increase Safety, and can be Easily Programmed to Modify the Sensor Pattern for Each Application.
- ▶ AGV Safety Devices Meet and Exceed ANSI and OSHA Standards for AGVs.
- ▶ 24" Travel Lift can be used to Adjust the Workpiece to the Proper Height for Different Plant Personnel.

Benefits

- ▶ Long Life Design (15+ Years of Life)
- ▶ Low Cost of Ownership
- ▶ Low Maintenance
- ▶ Access to All Major AGV Components
- ▶ Modular Design for Faster Diagnosis & Quick Repair
- ▶ Reduced Risk of Environmental Contamination since Hydraulic Systems are Eliminated
- ▶ Opportunity Charging System Eliminates Battery Handling
- ▶ Simple AGV Deployment
- ▶ Variety of Tooling Available for Many Patriot AGV Applications

AGV Options

- ▶ Opportunity Charging
- ▶ Optical Communication
- ▶ Radio Communication
- ▶ Sealed Batteries
- ▶ Laser Safety Sensor
- ▶ Quick Charge Batteries



Performance

Speed Forward:	130 ft./Min.Max
Speed Reverse:	130 ft/Min
Acceleration & Deceleration:	0-130 ft Min
Stopping and Repetitive Stopping Accuracy:	+/- 3/8 "
Minimum Cornering Radius:	32"
Fork Lifting Speed:	2.4 in/sec
Lift Capacity at 24" Center:	3000 Lbs.

Size / Weight

Overall Length:	78.8"
Overall Width:	52.6"
Overall Height:	103"

Lift

Lift Stroke (Optional):	78.8"
Lifting Raised to Top of Tooling:	52.6"
Overall Height:	103"

