

## Vision Guided Vehicle

### GP8 Pallet Truck

Simple. Affordable. Flexible.



*“From an efficiency standpoint, we have reduced manned travel from putaway by 20-30% and increased hi-lift pallet per hour by 35-45%. The cost effectiveness that the new system incorporates has allowed us to remain successful in an extremely competitive environment and bring value to our end customer.”*

*Joseph Hurley*

*Sr. VP of Distribution and Logistics  
Giant Eagle*

So advanced, it's simple. The vision guided vehicle (VGV) GP8 pallet truck uses Seegrid Vision to map its guidance within the existing environment. No infrastructure, facility modifications, or engineering resources are required for the VGV to operate. Position the GP8's forks under the pallet(s), enter a programmed route on the keypad, and the vehicle navigates without wires, lasers, tape, or magnets.

Designed for easy operation and flexibility, the pallet truck utilizes WalkThruThenWork® deployment and Vision technology to provide operators complete vehicle control to quickly modify or add routes without engineering support.

Within a warehouse, distribution center, or manufacturing facility, reduce your materials handling cost per move by eliminating waste in labor resources typically used for non-value added transport activities. Ideal for applications such as putaway, long hauls, replenishment, staging/sortation, and cross docking, the VGV pallet truck improves worker and facility safety, reduces labor and operating costs, and reduces product, facility, and equipment damage, increasing productivity and profitability.

Designed for optimizing material flow and throughput, the VGV can be deployed as a stand-alone or scalable automation solution. Integration with current software systems, such as Warehouse Management Systems (WMS) or Manufacturing Execution Systems (MES), maximizes the use of VGVs in a facility, improving operational efficiency.

With safety a priority for all Seegrid products, the GP8 pallet truck meets U.S. safety related standards when used as directed by properly trained personnel. The GP8 vision guided vehicle operates in both automatic and manual mode.

## Specifications

**Maximum Capacity:** 8,000 lbs.

**Maximum Speed Automatic:** Full load 2.7 mph,  
Unloaded 4.0 mph

**Maximum Speed Manual:** 2.3 mph

**Width:** 36.1"

**Height:** 78"

**Length with Forks**

- Single length: 90"
- Double length: 139"

**Weight**

- Single length: 1,515 lbs.
- Double length: 1,690 lbs.

**Battery:** 24V, not included with purchase

**Wheels:** Rubber, Polyurethane, Vulkollan

**Grade:** 5%

**Environment**

- Only indoor operation
- Temperature min. 32° F, max. 104° F
- Humidity 20-95% RH (non-condensing)
- Floor conditions should be free from oils, moisture, uneven and cracked flooring, and debris

**Additional Features**

- Route capacity: 15 miles
- Unlimited individual routes

**Turning Radius**

- Manual minimum outside: 97" (double length)
- Manual minimum outside: 78" (single length)
- Automatic minimum outside: 144" (double length)
- Automatic minimum outside: 124" (single length forks)

**Battery**

- Battery amp/hr maximum capacity: 750
- Battery compartment: (LxWxH) 31"x 13"x 32"
- Battery connector: Seegrid standard, Red SB-175
- Battery weight: min. 900 lbs., max. 1,500 lbs.
- Battery change roll deck standard

**Safety**

- ANSI/ITSDF/ B56.5-2012
- ANSI B11.0
- Primary personnel detection safety system
- Secondary object detection system
- ISO 13849 category 3 emergency stop buttons
- LED lightbar

- Turn signals
- Acoustic warning system

**Standard Behaviors**

- Slows down during turns for maximum safety
- Stops if it detects an object in the primary personnel or secondary object detection systems, resumes after object is removed
- Always sounds horn before beginning or resuming automatic travel

**Trained Behaviors**

- Timed pauses at intersections where other traffic has right of way
- Wait to start until operator presses *Push to Work* button for GP8 to continue
- Sounding the horn in busy areas, near walkways, in turns, etc.



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