

# Robotic end rider

## MPE080-VG

8,000 lb



### **ROI**

Less than 2 years for two to three shift operations

### **Flexible deployment**

Runs with zero, partial or full integration with facility warehouse management systems (WMS)

### **Scalable**

Has the ability to take on small tasks and expand as operational requirements grow

### **Augmenting labor**

Allows people to focus on value added tasks, and robotic lift trucks on repetitive, low value added tasks



# Robotic end rider

The Robotic End Rider offers an autonomous solution for transporting pallets down long and horizontal paths with a 8,000 pound capacity rating. By automating your horizontal pallet transfers, you can proactively manage your rising labor costs.



**Dual-mode operation**  
With the touch of a button, the truck goes into manual mode, allowing the operator to take control



**Full-scale production**  
Take advantage of a fully developed offering, currently operating in distribution centers—not a conceptual pilot program



**Infrastructure-free navigation**  
Integrates into existing operations by mapping structural features to self-locate and navigate; does not require tape, wires or magnets for guidance



**Single source service**  
Our certified Yale® Dealers are trained to service both manual and robotic lift trucks enabling a single source provider for your entire fleet.

## GENERAL SPECIFICATIONS\*

GENERAL	Model		MPE080-VG
	Rated capacity	lb	8,000
	Power type		Electric 24 volt
	Minimum Load Weight	lb	600
DIMENSIONS	Outside turning radius (single)	in.	17"
	Vertical clearance	ft./in.	8'3"
	Travel path width (one-way traffic)	ft./in.	6'5" (minimum)
	Travel path width (two-way traffic)	ft./in.	11'2" (minimum)
	Right angle stack (single pallet)	ft./in.	14'9"
	Right angle stack (double pallet)	ft./in.	18'9"
PERFORMANCE	Ramp elevation		Inclines/declines < 3%
	Travel speed (manual) - chassis first	mph	9
	Travel speed (robotic) - chassis first	mph	4.5
	Travel speed (manual) - fork first	mph	6
	Travel speed (robotic) - fork first	mph	0.7
	Travel direction		Forward and reverse
BATTERY	Power source		Lead-acid, lithium-ion, or hydrogen fuel cells
	Battery charging method		Auto Charge available for certain power sources
	Battery compartment	in.	32.0" x 13.4" x OPEN

\* Please refer to the MPE080-VG (base truck) specifications sheet for additional details

For questions about Yale® robotic lift trucks contact [robotics@yale.com](mailto:robotics@yale.com) or call (844) 984-1758



[www.YaleRobotics.com](http://www.YaleRobotics.com)