

Autonomous Mobile Robots

Self-driving vehicles for materials handling

Tugger



Specifications:

	Imperial	Metric
Length	60 in	170 cm
Width	34 in	87 cm
Height	54 in	137 cm
Weight	1,647 lbs (less battery)	560 kg (less battery)
Max Speed	3.3 mph	1.5 mps
Max Payload	9,920 lbs at 3.3 mph	4,500 kg at 1.5 mps

- + Supports multiple cart types
- + Auto-charging
- + Supports variable train lengths

Pallet Jack



Specifications:

	Imperial	Metric
Length	115.8 in	294.2 cm
Width	43.4 in	110.2 cm
Height	81 in	206 cm
Weight	2,164 lbs (less battery)	982 kg (less battery)
Max Speed	5.1 mph	2.3 mps
Max Payload	7,936 lbs at 5.1 mph	3,600 kg at 2.3 mps

- + Forks-forward travel
- + Flexible pallet detection
- + Auto-spearing
- + Compatible with bottom boards



Charge Time

4 hours



Compatible with the following power sources

Lead Acid | Hydrogen Fuel Cell | Lithium Ion



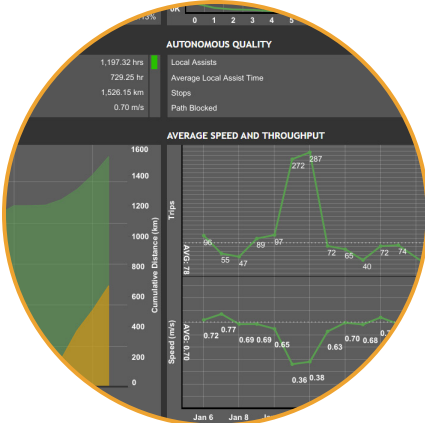
Autonomy

- » Low infrastructure requirements
- » Flexible operating behaviors across multiple use cases
- » Dynamic path planning
- » Obstacle avoidance improves navigation in fast-changing environments



Safety

- » 360-degree obstacle and person detection
- » Robots work safely alongside floor staff and manually operated equipment
- » Safety-rated motion control module enables anti-lock brakes and soft stopping mechanism
- » Performance Level D Safety System per ISO 13849
- » ANSI/ITSDF B56.5 compliant



Reliability

- » Interact with robots through simple user interfaces, including handheld devices, on-robot user interfaces, fleet management dashboard, and a data analytics portal
- » Switch quickly between autonomous & manual driving modes
- » Get started fast with flexible deployment options
- » Comprehensive train-the-trainer onboarding
- » 24/7 customer support

www.vecnarobotics.com | team@vecnarobotics.com | 617-444-9263

About Vecna Robotics

Vecna Robotics delivers autonomous material handling solutions via self-driving vehicles powered by their proprietary continuously improving software, Pivotal™ orchestration engine, and 24/7 customer service team. Vecna Robotics' solutions deliver value for customers in the distribution, warehousing, and manufacturing sectors by automating cross-docking, line-side delivery, replenishment, case-picking, and oversized/non-standard SKUs delivery. Vecna Robotics' technology goes beyond traditional automation and focuses on maximizing human and robot capability to create fulfilling jobs, increase productivity, and encourage innovation.