

ATG Autonomous Tugger

The Vecna ATG Autonomous Tugger is a key player in high-capacity transport. This self-driving tow tractor autonomously performs on-demand lineside replenishment, long distance high-throughput hauling, and non-conveyable transport at sortation hubs.



SPECIFICATIONS	IMPERIAL	METRIC
MAX PAYLOAD	9,920 lbs	4,500 kg
DIMENSIONS (L x W x H)	65.1 in x 43.4 in x 81.1 in	1,653 mm x 1,103 mm x 2,061 mm
WEIGHT (less battery)	1,623 lbs	736 kg
VEHICLE SPEED	4.5 mph	2 m/s
TURNING RADIUS (w/ 3 quadsteer carts)	9 ft 6 in	2.9 m
MINIMUM AISLE WIDTH	6 ft	1.8 m

CART TYPE

Quadsteer

SAFETY SYSTEM

ISO 13849-1:2015 PL=d-rated sensors and safety controllers, ANSI / ITSDF B56.5 and RIA 15.08 compliant

CONTROL

Autonomous Mode: Infrastructure Free Navigation

Manual Mode: Ride-on with steering tiller

POWER SOURCE

Compatible with standard lead acid and TPPL batteries

RUN TIME

Up to 8+ hours per full charge

CHARGING

4 hours charge time, opportunistic charging

TASK ALLOCATION

Remote user interfaces / WMS integration

FLEET MANAGEMENT AND ORCHESTRATION

Pivotal™ Orchestration Engine

SUPPORT

24/7/365 remote support via Vecna Robotics' US-based Pivotal™ Command Center