

AFL

Autonomous Forklift

The Vecna Autonomous Forklift (AFL) is a versatile vehicle across different environments. This self-driving counterbalanced forklift can move a wide range of payloads and pallet types, lift to conveyor belts, and work efficiently alongside other material handling equipment.



SPECIFICATIONS	IMPERIAL	METRIC
MAXIMUM LIFT HEIGHT	60 inches	1,524 mm
MAXIMUM PAYLOAD	3,000 lb	1,361 kg
DIMENSIONS (L x W x H)	123.2 in x 43.4 in x 96 in	3129 mm x 1102 mm x 2438 mm
FORK LENGTH	42 in	1,066 mm
WEIGHT (less battery)	4,700 lbs	2,132 kg
VEHICLE SPEED	6.7 mph	3.0 m/s
RIGHT ANGLE STACK	15 ft 6 in	4.7 m
MINIMUM AISLE WIDTH AT MAX SPEED	9 ft	2.7 m

SAFETY SYSTEM

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

TASK ALLOCATION

Remote tablet, WMS, and barcode scanning

FLEET MANAGEMENT AND ORCHESTRATION

Pivotal™ Orchestration Engine

SUPPORT

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

CONTROL

Autonomous Mode: Infrastructure Free Navigation

Manual Mode: Ride-on with steering tiller

RUN TIME

Up to 8+ hours per full charge

CHARGING

1-2 hours charge time, Opportunistic charging
Compatible with standard lead acid, lithium ion, and TPPL batteries

ACCESSORIES (ADD-ON)

Autonomous charging with smart scheduling **New!**