



Robots That Work.

FoxBot ATL Forklift:
Making it possible to do more with less, while creating safer and more efficient working conditions.

Fox Robotics autonomous forklifts are human multipliers: They make it possible for people to do more with less while also creating safer and more efficient working conditions. Doing more with less is how you future-proof supply chain workflows, elevate associate skill sets, and provide higher-paying jobs. Automating your inbound and outbound loading docks starts with the FoxBot ATL.

The FoxBot Class 1 electric autonomous trailer loader/unloaders (ATLs) operate in over 50 sites across the U.S. and Canada, having picked more



MEET THE FOXBOT **MK3** ATL

The FoxBot ATL is a standard class 1 counterbalance electric forklift equipped with a suite of safety-certified, off-the-shelf sensors and proprietary firmware to enable precise navigation and robust pallet-picking capabilities.

It operates on the receiving docks of customer warehouses, with real-time vision and LiDAR perception of the warehouse space around it.

LOADING + UNLOADING CAPABILITY

The FoxBot autonomous forklift can perform loading tasks, picking up pallets from an elevated conveyor or from a staging area, and moving them wherever you'd like. Additionally, the FoxBot autonomous forklift can perform unloading tasks to drop off pallets on an elevated conveyor or a staging area.

This carefully calibrated ATL runs 24 hours a day, 7 days a week, 365 days a year. With this kind of reliability, you can reallocate labor elsewhere in the warehouse, improve efficiency with fewer staff, and maximize uptime.



SEE THE FOXBOT ATL IN ACTION

[Watch the Video >](#)

MK3 FEATURES:



Deep Learning-Powered Vision

The FoxBot autonomous trailer loading/unloading forklift uses on-board cameras and LiDAR sensors to identify pallets and detect obstacles in real time. Trained visual perception models enable the robot to pick pallets in any orientation from trailers it has never seen before and place them on receiving floors that change over time.



Precise and Flexible Navigation

The FoxBot autonomous forklift's software-guided planning allows for flexible navigation in both warehouses and trailers, with precise position and speed control. With predictable paths, the robot is still able to continuously adapt its route to avoid obstacles.



Live Mapping and Localization

Even in tight, cluttered environments, the FoxBot autonomous forklift has the ability to build maps of warehouse spaces automatically and on the fly. When these robots aren't completing a task, they can stay at the trailer dock to avoid internal traffic.



Picks Block and Whitewood Pallets

Support for additional pallet and container types is in development.



Detects Pallet Load Patterns on the Fly

Including straight, turned, and pin-wheel.



Handles Common Situations

Including damaged pallets, double-stacked pallets, plastic wrap covered pallets, and detection of airbags and pyramid pallet loads.



Fully Redundant Safety Braking

Paired with 360-degree LiDAR monitoring, the Programmable Logic Controller (PLC) based safety system safely stops the autonomous forklift to prevent contact with objects in its path at every speed.



Auto Adjusting Fork Tines

Using the cameras built into the mast, the FoxBot autonomous forklift can identify pallet pockets and adjust the width of its fork tines to pick up any supported pallet.



BENEFITS:

- Enhance Worker Safety
- Maximize Uptime - Unload Trailers in 60-minutes or Less
- Reduce Product Loss & Damage
- Short Implementation & Training Timelines
- Automate Repetitive Tasks
- Improve Employee Retention
- Address Labor Shortages

SPECIFICATIONS:

- Height: 88 inches (7.3 feet)
- Width: 53 inches (4.42 feet)
- Overall length w/ forks: 110 inches (9.2 feet)
- No IT or WMS integration required
- 94% autonomy
- 25 pulls/hour (25-50 pallets/hour)
- 3,000 lbs. payload
- Operates down to 14°F (-10° C)
- 16-18 hour battery life
- Supports 40x48 pallets including double stacks

