THE FUTURE OF MATERIAL TRANSPORT & OPERATIONAL EFFICIENCY HAS ARRIVED.

Effidence Robotic Logistic Solutions are dedicated to improve logistics performance in warehouses, production facilities, and industrial environments. These solutions offset rising fulfillment costs and address many inventory management issues, while they **improve profitability, productivity, and accuracy**.

Effidence EffiBOT
Intelligence for mobile robotics

A BEST-IN-CLASS LOGISTICS SOLUTION AT AN AFFORDABLE PRICE POINT

The **EffiBOT (AGV/AMR)** is a versatile autonomous mobile robot that allows both collaborative and autonomous use. This versatility, paired with cutting edge features and a durable design that permits use in all-weather environments, makes the EffiBOT an ideal solution to introduce automation or to further your facility's automation efforts. With inflation placing upward pressure on wages and operating costs, Effidence Robotic Logistic Solutions provide a cost effective means to a more efficient and sustainable operation.

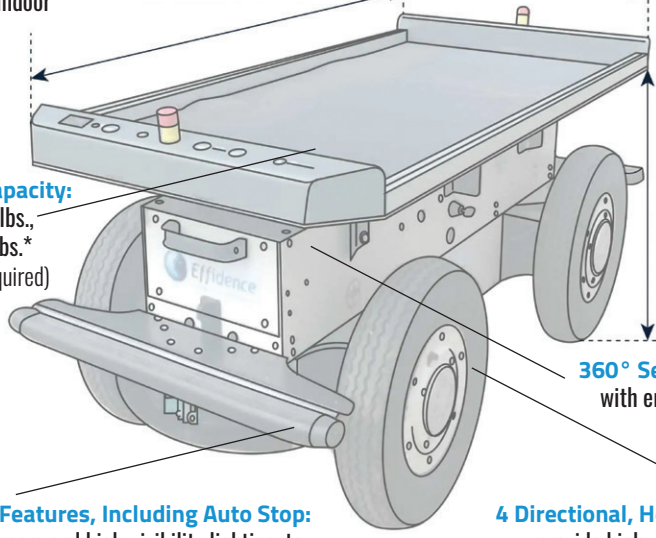
THE INDUSTRY-LEADER IN PERFORMANCE & SAFETY

The EffiBOT's compact, patented design includes:

IP54 Protection: all components are well protected, allowing indoor & outdoor use

Length: 47.25"/35.4" (1200mm/900mm)

Width: 23.6" (600mm)



Impressive Load Capacity: carries up to 660 lbs., tows up to 1,100 lbs.* (*tow accessories required)

Height: 21.6" (550mm)

360° Sensor Architecture with enhanced navigation

Enhanced Safety Features, Including Auto Stop: from protective bumpers and high-visibility lighting, to auto-stop technology should a person or object cross its immediate path, this robot was designed to prevent collisions & ensure safe transport

4 Directional, Heavy Duty Wheels: provide high maneuverability – Uneven floors and up to 30% slopes are not a limit

2 VERSATILE OPERATING MODES

A 'FOLLOW-ME' ROBOT

Utilizing 'follow-me' functionality, EffiBOT follows a picking operator and no cart is pulled or pushed manually, providing an obvious productivity gain.

A FULL AUTONOMOUS ROBOT

Full autonomous handling allows automatic parts delivery to assembly line, and material transfer between various locations.

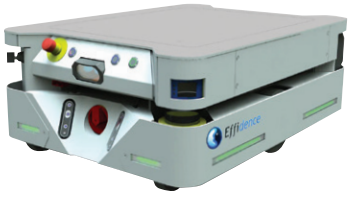
*To learn more, or to schedule a **free site automation evaluation**, please contact:*
*Tom Trudell, **trudell@am-ind.com** or Ed Olexa, **eolexa@am-ind.com***

BUILD A MORE COST EFFECTIVE & SUSTAINABLE OPERATION

We proudly distribute the full line of Effidence Robotic Logistic Solutions, and can partner with you to find the right automated technology for your facility. With options ranging from compact material transport robots to large-scale robotized tuggers and pallet stackers, we can provide solutions that will streamline your operations and logistics.

EffiBOT XS (AMR)
- fully autonomous
- 360° sensor architecture
- 660 lb. load capacity
- small footprint & most compact in series

EffiBOT XL (AMR)
- fully autonomous
- 360° sensor architecture
- 2,200 lb. load capacity
- small footprint & most compact series



EffiBOT (AGV / AMR)
- follow me and autonomous mode
- 360° sensor architecture
- advanced navigation
- 660 lb. load capacity
- 1,100 lb. tow capacity
- indoor/outdoor IP54 protection

EffiBOT-T Tugger
- fully autonomous
- 360° sensor architecture
- advanced navigation
- 2,000 lb. load capacity
- 5,000 lb. tow capacity

EffiBOT-P Stacker
- follow me and autonomous mode
- 360° sensor architecture
- advanced navigation
- 3,500 lb. load & lift capacity
- Available early 2023

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Effidence STACKER
Intelligence for mobile robotics

A BEST-IN-CLASS AUTONOMOUS FORKLIFT SOLUTION

The **STACKER** is an AMR that can operate both autonomously and in a collaborative mode. It can smartly track operators, in a patented "follow-me" mode, across a variety of applications. The robot can also autonomously dispatch to programmed destinations, moving pallets along its route.

ENHANCED PRODUCTIVITY

The **STACKER** is able to perform an infinite number of tasks as directed by the operator. Through the autonomous movement of material, companies can save significant time and money with this versatile robot supporting several tasks at once.

AT A GLANCE:

Load capacity:	2,860 lbs
Capacity at height (2.9m):	2,645 lbs
Pole type:	Duplex
Length:	92.13 in
Width:	44.1 in
Total Height:	84.64 in
Total height forks up to:	115.7 in
Forks size:	4.5/6.3/1.97 in
Control:	Movement and elevation electronic variator
Steering:	Electric
Equipment:	Timer, indicators, discharge limiter
Floor flatness:	Floor defects up to .32 in
Operating temperature:	+41°/ 77°F
Protection index:	IP20
Maximum speed:	3.7 miles/hour in a straight line, the robot adapts its speed according to its environment

See reverse for STACKER safety features

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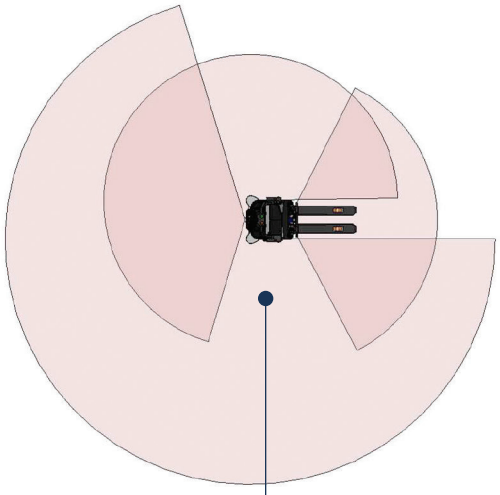
BUILD A SAFER, MORE SUSTAINABLE OPERATION

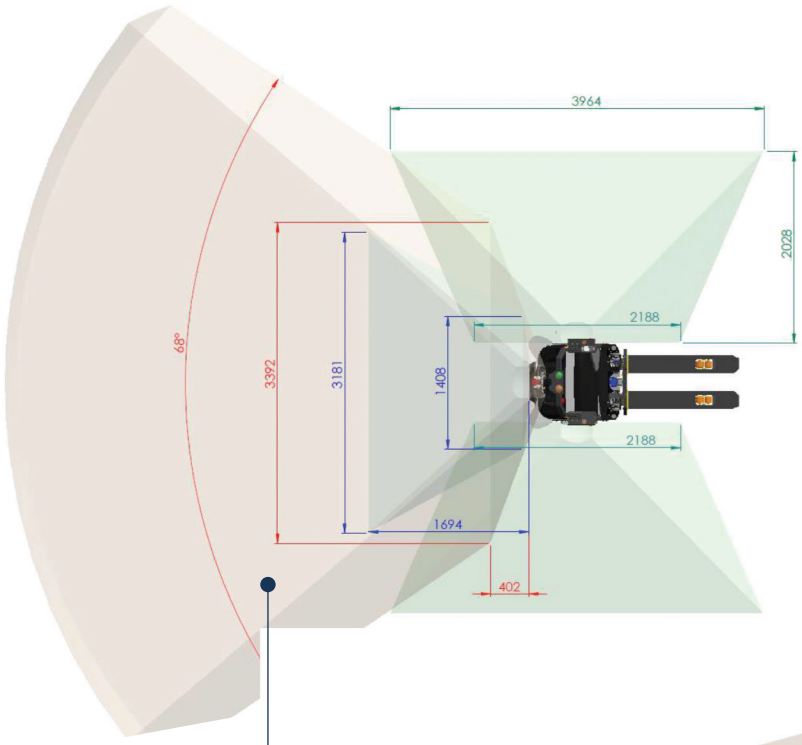
The Effidence Fleet Management System allows for a safe working environment. While staff perform value-added tasks such as assembling pallets, robots take care of heavier, difficult, and time-consuming tasks to relieve them. The robot is equipped with numerous sensors and LIDARS, which allow for obstacle avoidance through 360° monitoring. The emergency shutdown system and emergency brakes further enhance the safety features of the robot.

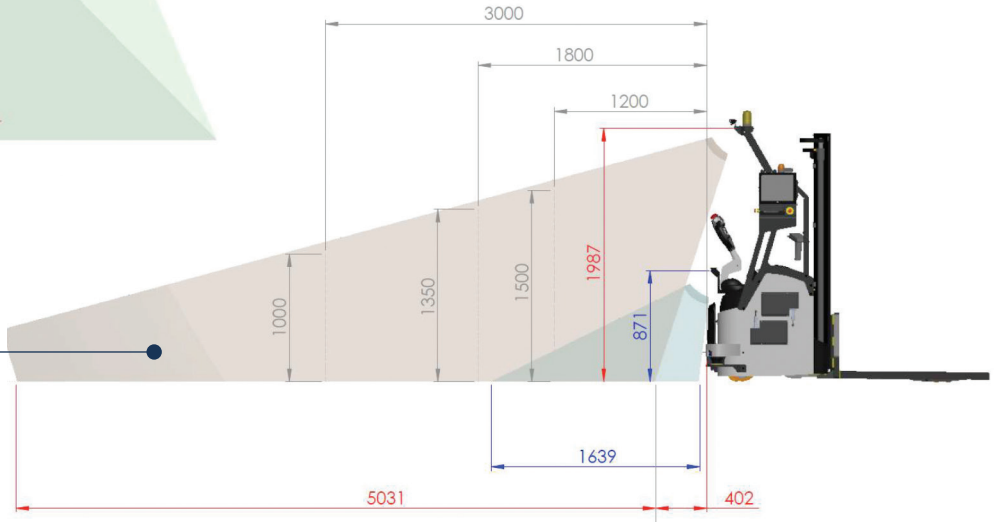
INNOVATIVE SAFETY FEATURES:

- 2 LIDAR with a 360-degree angle of detection to allow the stacker navigation and obstacle avoidance.
- 3D cameras to detect high or very low obstacles such as forks from other vehicles.
- Rangefinder sensors to secure the stacker' sideways to the end of the forks.
- A sensor at the front to allow the pallet to be manipulated.



LIDAR DETECTION AREA (above):
Vehicles are equipped with the most robust and efficient navigation system and a set of sensors that analyze the full surroundings.





SAFETY DETECTION AREA (above & right):
The location is based mainly on the natural environment and can also be artificially reinforced in open areas –the navigation system allows a speed of up to 3.7 miles/hour.

NOTE: Drawing units are metric.

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