

Why iBOT™?

OPEX's® iBOT® solution is a multi-directional, intelligent, wireless robotic vehicle effectively transporting inventory to and from picking and sorting locations. This proven technology lies at the heart of OPEX® warehouse automation solutions. iBOT® technology is the foundation for the Perfect Pick®, Perfect Pick® HD, and Sure Sort™ systems. iBOT® robots navigate along an integrated track system, retrieving, storing, and sorting inventory items quickly and accurately to or from an array of order and storage locations. This technology is the fastest and easiest way to begin to automate your customer fulfillment and distribution center needs.



Features

Multi-Directional

iBOT® robotic vehicles are bi-directional, moving both horizontally and vertically, giving them access to 100% of the storage or sort locations in their aisle.

Self-charging

iBOT® robots recharge as they travel throughout the racking structure. The overall energy consumption of one Perfect Pick iBOT robot is 175W which is equivalent to the energy needed to operate two gaming systems.

Wireless

iBOT® wireless robots use 2.4GHz for communication and travel throughout the racking structures of each system. They operate as an autonomous vehicle receiving activity instructions from the host software.

Condensed Size

Condensed size
Perfect Pick® iBOT delivery vehicles can carry totes up to 80lbs to a pick station. Sure Sort™ iBOTs carry small items or parcels up to 5lbs.

Advantages

Sustainable

Self-charging, iBOT® robots navigate along a track system integrated inside the storage rack, capturing regenerated energy.

Intelligent

iBOT® robotic vehicles self-identify when an upcoming service may be necessary and are easily removed from the system.

Efficient

Deliver inventory directly to a workstation, storage location or sort location with iBOT® robots that provide industry-leading throughput

Scalable

Add robots instead of human labor to scale and adjust quickly to meet order fulfillment expectations and changing business cycles.