OPEX® PERFECT PICK®

Goods-to-Person Order Fulfillment

WHY PERFECT PICK®?

Scalable goods-to-person picking solution that dramatically improves the rate and efficiency of inventory moving through a customer fulfilment or distribution center.

The Perfect Pick® robotic goods-to-person picking technology is engineered to simplify order fulfillment automation with increased throughput, reliability and cost-effectiveness. The Perfect Pick solution, unlike other solutions, is a self-contained, standalone point solution. A Perfect Pick aisle is comprised of modular, high-density racking along with a fleet of autonomous robotic delivery vehicles, iBOTs®, which can access every storage location within their aisle – both horizontally and vertically. iBOTs deliver inventory directly to a workstation located at one or both ends of the aisle. This direct interface eliminates the need for complex conveyor systems or transfer equipment, such as elevators or lifts, which add complexity to the system. Perfect Pick's traffic control software monitors the position of all order picking bots in the aisle and directs their movements to ensure full resource optimization and operational efficiency.

FEATURES

iBOT® TECHNOLOGY

Our warehouse robots can access every storage location within their aisle — both horizontally and vertically. iBOTs deliver inventory up to 80 lbs. directly to a workstation located at one or both ends of the aisle.

CORTEX® EQUIPMENT CONTROL SYSTEM (ECS)

Cortex® utilizes color-coordinated Pick-to-Light, order progress indicators, a large touch screen, display and overhead illumination of the cell to ensure accurate order fulfillment.

OPEX® WORKSTATION

As individual items are picked from Perfect Pick iBOT's, they are placed directly into shipping boxes or totes on the OPEX Workstation. Each container moves along the conveyors and across zero-height transfers from its Pick-to-Light location.

PICK-TO-LIGHT

Get orders right the first time, every time, with screen and light-directed picking that ensures accuracy even at high volumes.

ADVANTAGES

SCALABLE

Designed to grow with your business, additional aisles and iBOT robotic vehicles can be added to increase storage and throughput needs.

CUSTOMIZABLE

Our systems are built to meet your operational goals with customized system configurations and designs.

SECURE

Store inventory safely within a closed loop that can only be accessed by an operator at a pick station.

EFFICIENT

Get up to 1000 totes per hour per aisle for maximum uptime with patented iBOT technology that uses regenerative braking to recapture energy.

RELIABLE

Stop interruptions in your operation with warehouse robots that are completely self-contained within the aisle and recharge on a closed-circuit system.

OPTIMIZED

Eliminate zones and streamline your fulfillment process with single or double deep tote storage capacity for greater flexibility to slot items across the warehouse.

SPECIFICATIONS

BASIC CONFIGURATION (FULL LENGTH)	PERFECT PICK®	PERFECT PICK® HD
Length	min: 19.4' (5.91 m) - max: 204.9' (62.45 m)	min: 19.4' (5.91 m) - max: 204.9' (62.45 m)
Height	min: 14.5' (4.42 m) - max: 32.5' (9.90 m)	min: 14.5' (4.42 m) - max: 32.5' (9.90 m)
Width	9' (2.74 m)	14' (4.27 m)
iBOTs	Up to 30	Up to 30
Storage Locations	6,114 (8" H or 20.32 cm H totes)	12,228 (8"h or 20.32 cm H totes)
Cu. Ft. of Storage	15,019 ft³ (425.29 m³)	30,038 ft³ (850.58 m³)
Sq. Ft. of Storage	1,968 ft² (182.83 m²)	2,869 ft² (266.54 m²)
Integrated Pick System		Double-ended

CONTAINER OPTIONS

Tote	20" W x 30" L x 8/10/12/14" H (50.8 cm W x 76.2 cm L x 20.32/25.4/30.48/35.56 cm H)
Tray	20" W x 30" L x 2" H (50.8 cm W x 76.2 cm L x 5.08 cm H)
iBOT Payload (includes totes & dividers)	80 lbs (36.29 kg)

OPTIONAL

Height	16.5' up to 32.5' (5.03 m up to 9.9 m)
Length	Up to 204.9' (62.45 m) in 6.2' (1.9 m) increments
Multi-Aisle Configurations	Paired Aisles
Additional iBOTs	up to 27
Integrated Present Station	Single- or double-ended Scalable to add second pick station or Tote i/o Automated Conveyance, Light frame, Table Top, Pallet Drop, etc.

PERFORMANCE

Scalable Throughput	
Tote Presentation	Up to 500/hr per workstation

Have questions?
Contact us.

🌐 warehouseautomation.com

✉ info@opex.com

OPEX®