

Perfect Pick[®]

SIMPLIFIED
ORDER
FULFILLMENT

OPEX[®]
CORPORATION



Perfect Pick is not a shuttle.

Perfect Pick® and Perfect Pick® HD are unique, goods-to-person picking solutions that dramatically improve the rate and efficiency of goods moving through a warehouse or distribution center. Highly scalable and flexible, Perfect Pick is engineered to simplify the complexity associated with other technologies in the market today.

Perfect Pick's revolutionary "one-touch" design is based on the iBOT®, an autonomous robotic delivery vehicle with 100% access to all of the inventory in a single aisle. The energy-efficient iBOTs store and retrieve totes and deliver them *directly* to the picking station at one or both ends of the aisle – **without elevators, conveyors or transfers**. Once the pick is completed, a new iBOT immediately appears for the next pick — no waiting or searching aisles for the next item.

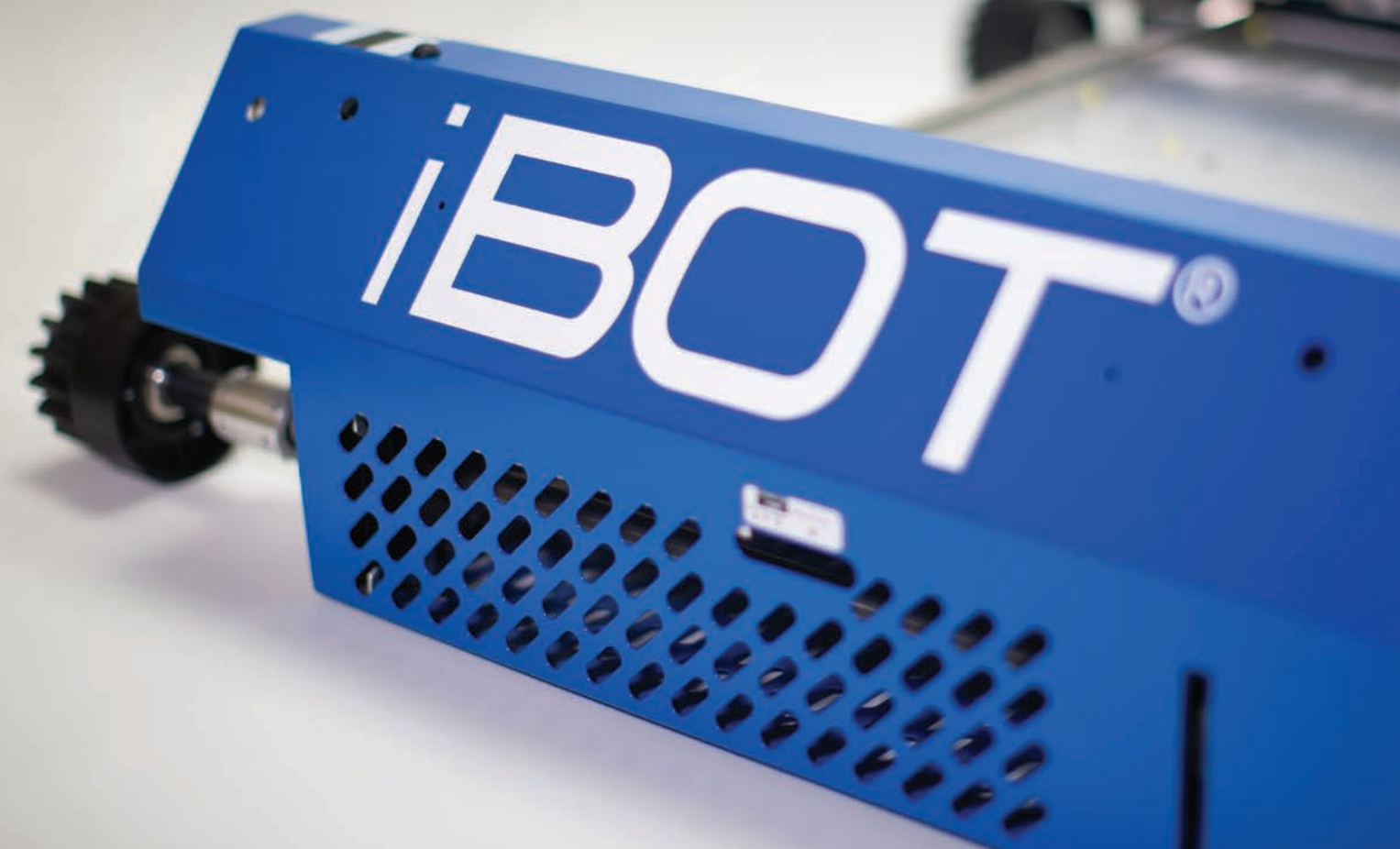
Perfect Pick HD provides twice the storage of a single Perfect Pick aisle without sacrificing throughput for storage capacity. Its aisle stores custom totes two deep on each side, giving users greater flexibility to slot items across the warehouse, eliminate zones and streamline their process.



OPDEX

PRECISE, RELIABLE & ULTRA-EFFICIENT: MEET THE iBOT

- iBOTs move materials without lifts, conveyors or multiple transfer points.
- As ultra-capacitor powered iBOTs navigate along a track system integrated inside the storage rack, they capture regenerated energy.
- Providing industry-leading throughput rates, iBOTs deliver inventory directly to a workstation located at one or both ends of the aisle.
- iBOTs can easily be introduced or removed from the system in a matter of minutes, quickly adapting throughput rates to ever-changing business demands.



ACHIEVE PICKING PERFECTION ...

PERFECT YOUR THROUGHPUT.

- **IMPROVE EFFICIENCY** — Reduce processing times to as little as 15 minutes from order to fulfillment.
- **INCREASE RELIABILITY** — iBOTs operate on the principle of redundancy, so Perfect Pick has no single point of failure.

PERFECT YOUR OVERALL OPERATION.

- **ENERGY EFFICIENT** — iBOTs capture regenerated energy during continuous normal operation. In fact, the energy used in a single aisle can be compared to the energy used by two toasters.
- **SMALL FOOTPRINT** — Better utilize the space you have from floor to ceiling, up to 32.5'.

PERFECT YOUR PROCESS.

- **HIGHLY SCALABLE** — Perfect Pick is highly scalable in both size and speed. As your business grows, additional modules or aisles can be seamlessly integrated into your operation.
- **SECURE INVENTORY** — Our goods-to-person solutions are closed units that provide outstanding security by ensuring that inventory is accessible only at picking stations.

PERFECT YOUR ACCURACY.

- **ELIMINATE MIS-PICKS** — Get orders right the first time with screen- and light-directed picking; ensure accuracy even at high volumes.
- **STREAMLINE INVENTORY MANAGEMENT** — Restock items without disrupting order fulfillment by picking at one end and replenishing at the other (or simultaneously picking and replenishing at the same workstation).

PERFECT YOUR PROFITABILITY.

- **ACHIEVE ROI** — Perfect Pick delivers substantial operational savings through reduced labor costs and increased operational efficiencies.
- **RAPID IMPLEMENTATION** — Perfect Pick is delivered and installed quickly and efficiently, providing a faster return on investment.



As individual items are picked, they are placed directly into shipping boxes or totes on the OPEX Workstation. The OPEX Workstation is closely integrated with Perfect Pick's hardware and software systems, reducing latencies and optimizing the overall system.

The Cortex™ equipment control system keeps track of local tote/cell inventory, making integration with warehouse management systems quick and easy. It guides operators through an efficient and intuitive picking and replenishment experience.



OPEX'S LEGACY OF INNOVATION AND SATISFIED CUSTOMERS

For more than four decades, OPEX Corporation has provided reliable workflow processing solutions based on innovative technologies and designs to thousands of customers across the world. We set the standard in process optimization which allows our customers to achieve the efficiency and accuracy required to compete in today's global marketplace.

Every Perfect Pick is designed, engineered, manufactured, and tested by dedicated OPEX employees at our 100% solar powered facilities in the U.S.

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BASIC CONFIGURATION (SINGLE AISLE)

SPECS	PERFECT PICK®	PERFECT PICK® HD
Length	204.9' (62.45 m)	204.9'
Height	32.5' (9.90 m)	32.5'
Width	9' (2.74 m)	14' (4.27 m)
iBOTS	20	22
Storage locations	4,274 (12"H or 30.48 cm totes)	8,548 (12"H or 30.48 cm totes)
Cu. ft. of storage	14,573 ft³ or 412.66 m³	29,145 ft³ or 825.29 m³
Sq. ft. required	2,459 ft² or 228.45 m²	2,869 ft² or 266.54 m²
TOTES		
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	
Pick Module	Double-ended	
OPTIONAL EXPANDABILITY		
Height	16.5' up to 32.5' (5.03 m up to 9.9 m)	
Length	Up to 204.9' (62.45 m)	
Multi-Aisle Configurations		
Additional iBOTS		
Pick Modules	Single- or double-ended	
PERFORMANCE CHARACTERISTICS		
Scalable Throughput		
Tote Presentation	Up to 400/hr per workstation	



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