



Perfect Pick® HD
High Density. High Throughput.





Perfect Pick[®] HD



A unique, robotic, goods-to-person order picking technology for warehouses and distribution centers



MORE STORAGE, MORE BENEFITS

Perfect Pick[®] HD stands for “high-density” and provides twice the storage of a single Perfect Pick[®] aisle without sacrificing throughput for storage capacity. Rather, with this increased aisle density, customers have greater flexibility to slot items across their warehouse, eliminating zones and streamlining their process.

Perfect Pick HD is a standalone point solution — an aisle that is comprised of modular, high-density racking that stores custom totes on each side — two deep.

Unique in the industry, Perfect Pick HD's Connect & Collect™ feature makes access to inventory simple and quick. As a double-ended system, Perfect Pick HD can vastly improve pick rates with an operator filling orders from each pick station.

Replenishment or restocking inventory on Perfect Pick HD can be accomplished while orders are being picked, providing increased labor productivity and improved inventory accuracy. Coupled with OPEX's over-height detect, jams due to overflowing totes are virtually eliminated at the point of replenishment.



PROVEN iBOT DELIVERY TECHNOLOGY

Perfect Pick HD runs on a single automated component, the iBOT[®], redesigned to deliver heavier payloads — up to 80 lbs. Powered by onboard ultracapacitors, iBOTs quickly capture regenerated energy during continuous operation making them reliable and exceptionally energy efficient.

iBOTS are bi-directional, moving both horizontally and vertically, giving them access to 100% of the storage locations in their aisle. OPEX traffic control software monitors the position of all iBOTs and directs their movements for maximum efficiency and throughput.

iBOTs are autonomous vehicles that communicate on a wireless connection. They can be added or removed from the system in a matter of minutes without causing a disruption to ongoing operations. This ability to introduce and remove iBOTs from the system allows operations to scale and adjust quickly to meet ever-changing order fulfillment demands and business cycles.

**2x the storage
capacity of
a standard
Perfect Pick
aisle**



CORTEX™

The "brains of the operation," Cortex™ is designed to make the most of your Perfect Pick® or Perfect Pick® HD system. Guiding operators through an efficient and intuitive picking and replenishment experience, Cortex utilizes color coordinated pick-to-light, order progress indicators, large touch screen display and overhead illumination of the cell to ensure accurate order fulfillment.

Cortex keeps track of local Tote/Cell inventory, making integration with warehouse management systems (WMS) quick and easy. With Cortex managing the equipment control system (ECS), the WMS is able to treat Perfect Pick or Perfect Pick HD as an independent, standalone system, simply providing order information and receiving fulfillment notifications.

RPM™

REMOTE PERFORMANCE MONITOR

You are in the driver's seat when it comes to gauging your system's performance with RPM™. Remote Performance Monitor's user-friendly dashboard gives you insight into the efficiency of your operation, providing up-to-the-minute reporting and analysis. The data provides an overall site view of task activities, as well as the ability to drill down to each aisle. View total picking times and picks per hour for each workstation and aisle.

RPM provides insight into the queue size for each pick station as well as replenishments. View, export and email your customized reports, including iBOT® and aisle status, daily total completed tasks, and overall system performance and downtime.



OPEX INTEGRATED WORKSTATION

As individual items are picked from Perfect Pick and Perfect Pick HD, they are placed directly into containers or totes on the all-new, scalable OPEX workstation. Each container moves quietly along the conveyors and across the zero-height transfers to and from its pick-to-light location.

Once the operator completes an order, the container is transferred for final shipment and another order indexes forward on the workstation's conveyor.

The OPEX Workstation is closely integrated with Perfect Pick and Perfect Pick HD's hardware and software systems, reducing latencies and optimizing overall system performance.



AUTOMATION DESIGNED TO GROW WITH YOUR BUSINESS

Perfect Pick HD is truly next-generation warehouse and distribution center technology. But with all its tremendous benefits, Perfect Pick HD's scalability is what many of our customers prize the most.

Perfect Pick HD's modular design not only meets today's order picking challenges head-on, but it also supports future growth. This kind of integrated, future-ready expansion is a far cry from the multi-stage automated systems that force a costly and lengthy redesign of your warehouse at every stage. Instead, the entirety of the Perfect Pick HD system is flexible and scalable — a fluid arrangement designed to grow as quickly as you do.





Available Configurations:

Length:	up to 204.9' (62.45m) – 30 expansion modules @ 6.2' (1.89m) each
Height:	16.55' to 32.38' (5.04m to 9.87m) – locations scaled at 2' (.61m) increments
Width:	14' (4.27m) – double deep tote storage
Pick Stations:	up to 2
iBots:	10 to 20
Totes:	Height: 8", 10", 12", and 14" (20.32cm, 25.4cm, 30.48cm, and 35.56cm) Width: 29.75" (75.57cm) Length: 20.9" (53.09cm)
iBOT Load Specifications: 80 lbs. (36.29kg) (including tote)	

Pick Stations:

Available ground and mezzanine levels – designed for picking and replenishment

Performance:

Up to 1,000 dual cycles per hour
Up to 146,400 unique storage locations
Up to 26,400 cubic feet of dense storage
Up to 12,200 totes

*all within a single aisle of Perfect Pick HD

WORLD HEADQUARTERS

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UNMATCHED CUSTOMER SERVICE & SUPPORT

OPEX designs and builds world-class warehouse automation systems and stands behind them with the very best customer service.

For more than 40 years, OPEX Corporation has provided productivity-enhancing workflow solutions to thousands of organizations around the world. Our innovative technologies set the standard in process optimization and allow our customers to achieve the efficiency, accuracy and reliability required to compete in today's global marketplace. Every OPEX product is designed, engineered, manufactured, and tested in the U.S.A. by our own dedicated employees. And OPEX stands firmly behind every product we make with the largest and most comprehensive service organization in the industry.

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