

ECONO-PICK™

LIGHT DIRECTED ORDER FULFILLMENT SYSTEM



other pick to light systems, are eliminated. This feature also eliminates the need for zone balancing through complicated software algorithms, order profiling, etc. *With Econo-Pick™, all pickers can pick at their maximum capability, all the time.*

Easiest to Install, Reconfigure, and Maintain

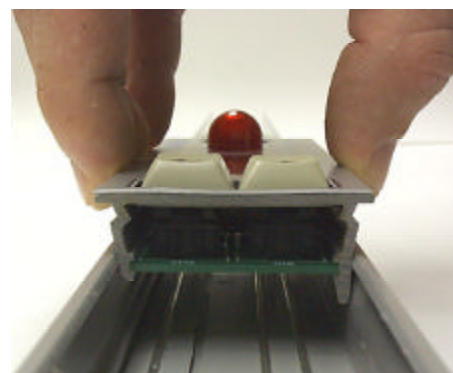
Econo-Pick™ is the easiest pick to light system to install and maintain because of an innovative “snap-in” design. A three conductor BUS integrated into a durable plastic extrusion is mounted to flow or static racking. Pick modules are simply “snapped” into the BUS adjacent to pick locations. The BUS provides power and data communications to each of the pick modules, eliminating the need for wiring each individual pick module as is necessary with other systems. Each pick module is pre-assigned a unique serial number, eliminating the need to set dip switches on every module. These features allow the Econo-Pick™ system to be installed and/or reconfigured very quickly. Maintenance and downtime associated with poor connections, shorted wiring, etc. is eliminated.

Most Advanced

Econo-Pick™ is the most advanced light directed order fulfillment system available. The Econo-Pick™ system provides several unique and innovative features not found in other systems. These features include zone-less picking, wireless communications, snap-in BUS design, and onboard diagnostics. IPTI is the first pick to light provider to provide these features, so why buy anything else?

Most Productive

Econo-Pick™ is the most productive system available because it provides a zone-less environment where pickers can pick any order on the system while still preserving full picker accountability for every pick. No longer are pickers bound to their assigned zones, where, depending on product distribution and order profiles, one may have no orders to fulfill, while other pickers may be inundated with heavy pick requirements. Line bottlenecks common with all



“Snap-in” BUS



Innovative Picking Technologies, Inc.

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ECONO-PICK™

Features and Benefits

- ↪ Zone-less operation requires no zone balancing or order profiling and eliminates bottlenecks.
- ↪ Picker accountability is maintained for every pick providing real time and historical productivity reporting capabilities.
- ↪ Increases picker productivity and accuracy providing a fast return on investment.
- ↪ Provides real time shorting of orders and directed replenishment.
- ↪ PC based system integrates easily with a wide variety of host warehouse management systems.
- ↪ Graphical User Interface is simple to use, even for inexperienced computer users.
- ↪ System is simple to operate and requires minimal operator training allowing temporary employees to be easily added during high volume periods.
- ↪ Onboard microprocessor provides instantaneous response to picker interactions with the devices.
- ↪ Each device has onboard diagnostics allowing local verification of device operation.
- ↪ Utilizes keyboard type switches instead of membrane switches providing long life and positive feel.
- ↪ BUS extrusion design allows very fast installation and reconfiguration and eliminates costly and failure prone wiring.

System Operation

There are two basic types of Econo-Pick™ pick to light systems, "Light Based" and "Display Based". Both types of systems have a high intensity pick indicator light and a task complete push-button at each pick location and utilize 12-digit alphanumeric displays to indicate the current order being processed.

"Light Based" systems utilize an indicator light and push-button at each pick location with a 12-digit

Order Control module to display the quantity to pick. Because the quantity to pick is displayed in a central location, only one light/pick location at a time is illuminated.



Light Based Pick Module

"Display Based" systems use a full 4-digit numerical pick module at each pick location. This format provides the ability to show all required picks and their corresponding quantities at once. As picks are completed, pickers press the task complete pushbuttons until all are extinguished.



4-Digit Display Based Pick Module

The Econo-Pick™ system can also be used as a Put to Light system, where orders are batch picked and brought to sort stations which utilize 4-digit display based "put" modules, with each sort location representing an order. The batch picked orders are then "put to light" as directed by the put modules.

Econo-Pick™ RF Batch Pick Carts are also available. Batch pick carts are mobile put to light systems that allow multiple orders to be picked in batch as the cart is pushed through a warehouse. Carts communicate with a control computer via digital radios. Carts provide excellent efficiency and accuracy improvements for operations with several SKUs.



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