

# Pick-MAX™

## LIGHT DIRECTED PICK/PUT ORDER FULFILLMENT SYSTEM



eliminates the problems associated with other two and four conductor designs. Unlike competitors, the contacts on the Pick-MAX™ module are of a wiping design and continually reseat themselves with use.

Each pick module is preassigned a unique serial number, eliminating the need to set dip switches on every module. This saves time and prevents errors caused by duplicated or incorrect numbering.

These features allow the Pick-MAX™ system to be installed or reconfigured very quickly and easily. Maintenance and downtime associated with poor connections, shorted wiring, etc. is eliminated.

### Pick-to-Light

The Pick-MAX™ system is very easy to use and learn. It features 4-digit display and a high intensity pick/put indicator with a task complete push button, at each pick location. Additionally, a 12-Digit alphanumeric Order Control module is also installed in each bay/zone. The Order Control module displays pertinent information, such as the current order number or tote license plate number.



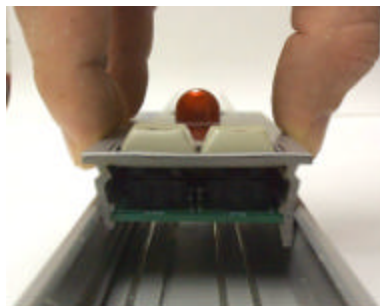
12-Digit Alphanumeric Order Control Module

### Most Productive Picking System

Innovative Picking Technologies, Inc. (IPTI) provides the Pick-MAX™ picking system. The most advanced, accurate, productive and economical, light directed order fulfillment system available. Pick-MAX™ features a snap-in design and onboard diagnostics. It is the only picking system that can operate in a zoned or zoneless mode. No longer are pickers bound to assigned zones to maintain accountability. *With Pick-MAX™ all pickers can pick at their maximum capability all the time while maintaining accountability.*

### Easiest to Install, Reconfigure and Maintain

The Pick-MAX™ pick-to-light system is the easiest to install, reconfigure and maintain because of our original innovative "snap-in" design.



Modular "Snap-In" BUS

IPTI's original *three* conductor BUS is integrated into a durable plastic extrusion that can be mounted to any type of flow rack or static shelving. This *three* conductor BUS

The Pick-MAX™, display-based pick-to-light system is one of the fastest and most efficient types of picking systems. A Pick-MAX™ 4-Digit numerical pick module is mounted at each pick location. This format provides the ability to show all required picks and their corresponding quantities at one time. Orders enter the line and are maintained in a First-In-First-Out (FIFO) queue. As each order enters a picking area, the 12-digit Order Control module displays the current order number or tote number to be processed. The picker locates the box or tote corresponding to the Order Control display and then presses the task complete buttons on the pick modules as they complete picks.

If an insufficient supply of product is present at a location, pickers can adjust the quantity actually picked via the quantity update buttons on the pick modules. After adjusting the quantity to the actual picked quantity, the pick is completed by pressing the task complete button.

## IPTI

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When all picks are completed for an order, the system will illuminate and display on the Order Control module "PASS", if any further picks are required down the line, or "DONE" if the order is complete.

### Extended Functions

There are several extended functions available at the pick face via the buttons on the pick module. ***This eliminates the need for separate expensive RF subsystems.*** Any or all of these extended functions can be enabled/disabled in software.

- **Close Box:** Allows dynamic cubing/box closing by the picker.
- **Stock Low:** Notifies systems when location needs replenishment.
- **Information Request (Info):** Request product information at the pick face.
- **Scrap Reporting:** Report that some product at the location is damaged, expired, etc.

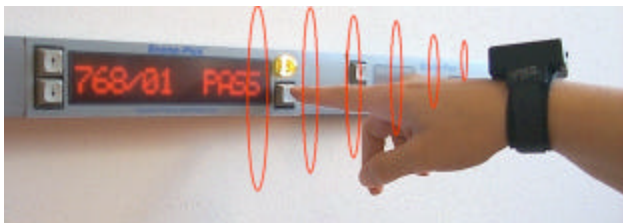
### Put-to-Light

The Pick-MAX<sup>tm</sup> system can be used as a put-to-light system, which is like a pick-to-light system, but in reverse.

In a put-to-light system, items for orders are batch picked and brought to sort stations that utilize light modules at each sort location. Each sort location or light represents an order. The operator scans an item and each order location that needs the item is illuminated with the quantity required of that item. After the operator places the correct quantity into the order location, they press the task complete button on the put module. When all the items for an order have been put to a location the put module displays "DONE". This order can then be removed and a new order can be assigned to the now empty location.

### Watch-Me<sup>tm</sup> System

IPTI's exclusive, unique, patent pending Watch-Me<sup>tm</sup> System allows the pick-to-light system or put-to-light system to track each pick to a specific picker without the need for zone assignments



Watch-Me<sup>tm</sup> System

Each watch has a unique id that is assigned to a picker via the control software, such that, each picker can be individually identified. By tracking every pick to an individual person, picker accountability is guaranteed, picker productivity is greatly increased, and picker errors are reduced. This feature allows the system to operate in a zoneless mode, such that any picker can pick from any location on the system. ***This eliminates the need for SKU profiling and line balancing to equalize zones.*** When in operation, the Pick-MAX<sup>tm</sup> Watch-Me<sup>tm</sup> System greatly reduces work in process on a typical pick line and can increase pick rates by 20-50% over typical zoned systems.

### Features and Benefits

- ◆ Increases picker productivity and accuracy. Up to 200% over paper pick lists.
- ◆ Functions available at the pick face **ELIMINATE** the need for RF subsystems for:
  - ◆ Replenishment
  - ◆ Inventory Control
  - ◆ Lot Tracking
  - ◆ SKU Management
  - ◆ Scraping
  - ◆ Cycle counting
- ◆ Built-in light directed replenishment capabilities.
- ◆ Watch-Me<sup>tm</sup> option allows system to maintain picker accountability with zoneless mode of operation.
- ◆ Zoneless operation increases pick rates 20-50% over zoned operation.
- ◆ Real time and historical productivity reporting capabilities.
- ◆ Graphical user interface is simple to use, even for inexperienced operators.
- ◆ System is simple to operate and requires minimal training, allowing temporary employees to be easily added during high volume periods.
- ◆ PC based system integrates easily with any warehouse management system.
- ◆ Bright and easy to read displays and LED lights.
- ◆ Fast response times.
- ◆ Each device has onboard diagnostics allowing local verification device operation.
- ◆ Modular snap-in BUS design allows very fast installation, quick reconfiguration of pick locations and growth of the system.
- ◆ Keyboard switches on pick modules, provide the longest life available, 50 million cycles, and positive feel.

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