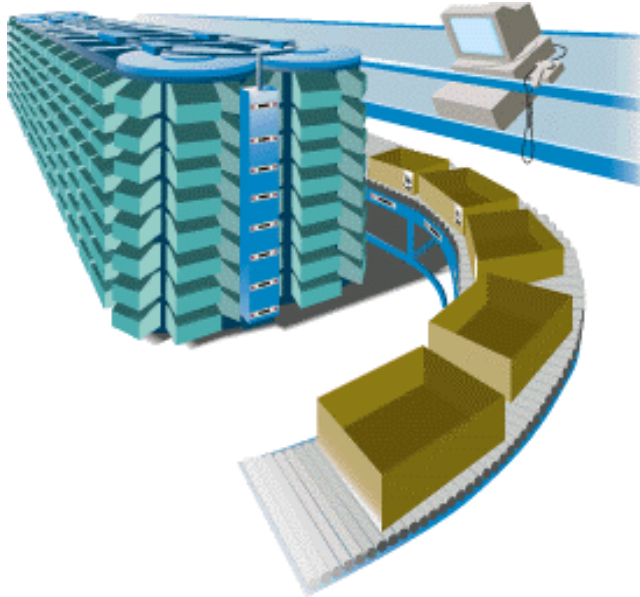


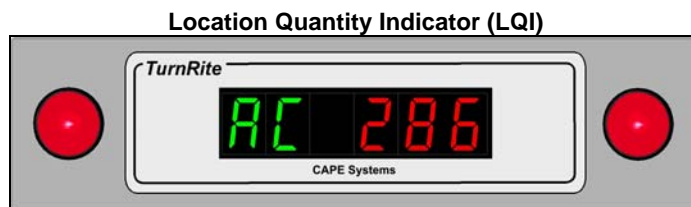
TurnRite® Carousel Control System



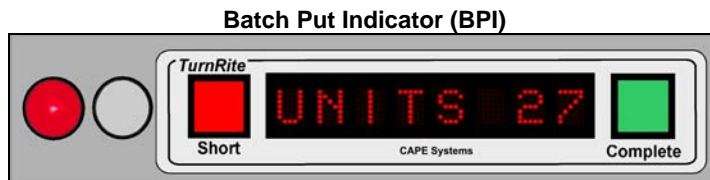
TurnRite® System for batch picking of goods from carousels (successor to the widely installed *intellipick* system).



Location Quantity Indicator modules are mounted in vertical enclosures adjacent to the carousel; they indicate the product bin/shelf location and display the total quantity to be picked for that batch.



Batch Put Indicator modules are mounted at each shipping carton location and indicate the quantity of the product to be put into each carton in the batch.



The BPIs allow the picker to indicate put Complete or Short at the put location – this put status is immediately recognized by the system. In addition, another pushbutton switch allows the workers to indicate when the carton has been filled and is ready for shipment. All puts in a batch light simultaneously so that the worker does not have to wait between puts.

The *TurnRite®* System is used in all types of carousel batch order processing applications. The *TurnRite®* System controls virtually all industry-standard horizontal and vertical carousels. The system supports multiple work station operations, with each work station consisting of one or more carousels. The *TurnRite®* System combines computer-controlled carousel pick operations with automated restocking and cycle counting functions.

The system controls the rotation of the carousel to deliver the product to the picker in the most efficient manner. Light displays in a vertical “tower” adjacent to the carousel guide the picker to the proper bin pick location. The *TurnRite®* System supports light-directed batching which directs the picker to put the proper quantities into the proper cartons. The system tracks all product quantities put into each carton and maintains a record of the remaining product requirements. Paper put lists, wasted motion and put errors are eliminated.

With a *TurnRite®* System you cut costs and speed order processing. You're saving money and your customers are happier because their orders arrive on-time and without errors. Your return on investment is quickly realized in both customer satisfaction and real dollars – *the system typically pays for itself in a year or less!*

The *TurnRite®* System is used in all types of carousel picking applications. CAPE offers the widest array of light pick modules in the industry. All modules include a microprocessor and bright LED displays.

All user displays and interaction are accomplished via straight-forward menu interface. All functions are selected via clearly identified menu selections. Carousel pick operations are accomplished through graphical displays. You can turn operations on, make inquiries, and change operating parameters with a few simple selections.

TurnRite® System Highlights

- **Carousel Batch Processing** – System operation in terms of software and light module processes designed specifically for high volume, carousel batch picking operations.
- **Carousel Pick Sequencing** – System increases throughput by mapping each product location and tracking the locations for each product required for the batch. The system then sequences the picks to minimize carousel rotations.
- **Improved Speed/Accuracy** – Increases both pick-operations speed and accuracy over not only paper pick lists but other systems as well. The *TurnRite®* System with intelligent light modules at each pick and put location provides the fastest, most accurate picking in the industry.
- **Carousel Interface** – The *TurnRite®* System can interface with and control virtually all industry-standard horizontal and vertical carousels.
- **Host Interface** – A wide variety of Host interfaces are available to link the *TurnRite®* System to your Host, Warehouse Management System or Order Management System. Order downloads and status uploads are processed immediately.
- **Light Module Technology** – All modules include a microprocessor, bright easy-to-see LED displays, and durable tactile pushbutton switches. All components selected for continuous heavy-duty use.
- **Location Quantity Indicator (LQI)** – Mounted in a light “tower” adjacent to each carousel, the LQI indicates the product bin/shelf location and display the total quantity to be picked for that batch. The LQI includes clear, high intensity six position LED display and a location beacon on each side of the module. The beacons allow a single light “tower” to be used with two separate carousels – left and right beacons for the left and right carousels.
- **Batch Put Indicator (BPI)** – Mounted at each put location, the BPI displays the quantity of the product to be put into each carton in the batch. The BPI includes: a clear, high intensity four position put quantity LED display, a **Complete** switch, a **Short** switch and a **Carton Complete/Filled** switch.
- **Hand-Held Scanner** – Used to scan bar codes to quickly induct orders and for worker log on. Worker log-on to zones allows for productivity tracking.
- **Fault Tolerant Operation** – System can be configured with dual CPUs, hot swappable RAID array disks, and/or redundant power supplies to maintain system operation under all conditions.
- **Label Printing** – System can be supplied with a label printer and label printing software to generate bar code shipping labels.

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