

AUTOMATED PICK CARTS

Lightning Pick Batch Picking System



Maximizing Efficiency

Matthews Automation Solutions' light-directed pick carts provide productivity gains (up to 40%) and nearly 100% order accuracy compared to paper-based picking or operations using a standalone form of pick automation (RF, Voice).

In batch picking operations, operators pick multiple items for small batches of multiple orders, making each pass through the facility more efficient. This is typically done using multi-tiered carts carrying a tote or shipping container for each unique order in the batch.

Lightning Pick automated pick carts add even more productivity to this popular pick methodology by combining the best elements of RF, put-to-light and optional display technologies for fast, accurate order selection and sortation.

Applications

- ▶ E-commerce fulfillment
- ▶ Third party fulfillment providers (3PLs)
- ▶ Facilities with large SKU bases
- ▶ Facilities without conveyor
- ▶ Fulfillment operations without clear high, medium and low velocity SKU profiles



Pick Carts

Batch Picking and Sortation System

RF Pick- and Put-to-Light in Motion

The cart's message display guides a picker to the correct SKU location. Lights mounted near each order container illuminate and share the necessary unit quantities required for that specific order in the batch. The picker scans the bar code label on the shelf location and/or on the product itself. The light device hardware is specifically engineered to use less power, increasing the on-board battery life to 12 hours or more between charges.

The carts themselves can be customized to virtually any size, shape or options that best fit your unique requirements. The mobile pick system can also often be mounted to existing carts for a cost-effective order fulfillment solution.

Perpetual Batch

An optional software feature, Perpetual Batch selects order combinations based on the cart's real-time physical start location, not from a single predetermined order drop/new batch launch location. Lightning Pick software allows an employee to assign new orders to the cart when others finish, without having to go back to a staging area. Perpetual Batch adds single pick orders to moving carts so it maximizes the productivity of every walk through the facility even as individual order containers from the original batch are being filled.

About Matthews

Matthews Automation Solutions' best-of-breed product for light-directed technologies, Lightning Pick, is the number one installed pick-to-light system in North America. Our pick-to-light, put-to-light, pack-to-light, pick carts and other solutions optimize material handling processes — from manufacturing through order fulfillment.



Advantages

- ▶ Automates paper-based batch picking processes without extensive new material handling equipment, like conveyors
- ▶ Achieves up to 40% increase in productivity plus nearly 100% order accuracy
- ▶ Supports an unlimited number of SKUs, with low cost per SKU

Let's talk about your application.

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