



Pick to Cart (PTC)





Picking, sorting and packing in one

Two of the most widely used order picking techniques in warehouses today are Pick to Light, and order picking with wireless devices. Inther's Pick to Cart system combines the best features of both techniques into one. With the Pick to Light Cart system you will have the fast and easy confirmation of a Pick to Light system and the mobility of working in a wireless environment. Also the Pick to Light modules are installed only on the picking carts. This substantially reduces the number of Pick to Light modules that have to be installed, and therefore also reduces the investment costs.

The picking carts are custom made designed to best suit your warehouse operation. Based mostly on the order- and article profile the number of locations on the cart is determined. The picking carts and the Pick to Light housing are made of aluminium. This ensures a strong and rugged system capable of working in an industrial environment.







Technology

For every location on the picking cart a Pick to Light module is installed powered by an on-board battery. To be able to communicate with the WMS, a wireless module is installed as well. This module works with the latest technology in wireless networking, like used in almost any warehouse. Finally a scanner is added to the cart so the operator can identify the necessary location- or article barcodes.



Process

A batch of orders is assigned to the operator and corresponding picking cart, after which a message is shown on the central zone display on the picking cart. Usually the picking location is shown on this display. The operator moves to the shown location and scans the location- or the item barcode. Next for every location (read customer order) that have an active pick instruction for the item, the pick to light modules light up. The display of the pick to light module shows the quantity of items to pick. The operator picks the number of items shown on the display and presses the confirmation button(s) on the pick to light modules.



Multi-order

Another benefit of the Pick to Light Cart system is the handling of multiple orders in one go. Thanks to the intelligent batch algorithm of the Pick to Cart software an optimized order batch is selected at the start of a picking-run. Depending on the process requirements the software can select an order batch based on parameters like ABC-classification of articles, priority of orders, the orders with the most parallel picking locations, etc. This will dramatically reduce the walking distance on the shopfloor. Because every order has its own location on the picking cart the orders are immediately sorted during picking. To complete the optimization of your process picking is directly done into the shipping cartons. Then you will have a system that can do: "Picking, sorting, and packing in one go!"

Increase picking productivity

Paul Verheijen - Operations Manager
Geodis Logistics:

"We were able to increase picking productivity with more than 40%. In addition to that the picking errors have dropped to less than 0,02%. Given this fact we could decrease the 100% order check to 15%. In all a major decrease of manpower!"



Key features

- › **Fast and easy picking**
By using the Pick to Light modules the operators have a quick and very visual overview of the pick instructions they have to perform. The confirmation of a pick action is done with the push of a button.
- › **Multi-order picking**
The picking cart has multiple location capable of creating order batches with more than one order. The orders are picked in one go, thus minimizing walking distance.
- › **Pick, sort and pack**
During picking multiple orders are picked, sorted into a customer specific location, and placed in the final shipping unit.

Advantages

- › Batch picking of more than one order
 - › Sorting of orders during picking
 - › Packing of orders during picking
 - › Batch order optimization
 - › Quick familiarization
 - › Low investment costs
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Inther Group

Improving intralogistics

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