



**Distrib AR**  
Smart Glass by  **pcdata**  
Logistics Automation

## Pick-to-Vision

The latest addition to pcdata's portfolio of paperless picking solutions is Distrib Augmented Reality (AR) a.k.a. 'Smart Glass'. 'Revolutionary' is an overused term, but Distrib AR has this potential as it takes full advantage of the latest mobile technology developments available in the market.

Investment in IT infrastructure is reduced to a minimum, while all benefits of implementing Distrib paperless order picking solution, including the use of visual indicators, remain; labor reduction, increased accuracy and increased warehouse control. This makes Distrib AR ideally suited for smaller operations or warehouses which demand greater flexibility, such as temporary locations or warehouses with significantly fluctuating demand.



Distrib AR uses industrial sturdy wearable mobile technology to direct the warehouse operator to the next pick or put location.

As such Distrib AR is very similar to the high-performance, hands-free guided picking using standard Put- & Pick-to-Light using LED lights. However in the case of Smart Glasses there is no need for fixed structures and initial investment in hardware.

The Distrib AR module is based on Augmented Reality, with the use of wearable mobile technology (Smart Glasses). The solution offers similar high-performance, hands-free guided picking operation as with the standard Put & Pick to Light solution, however without the need for fixed structures and initial investment in hardware.

### How it works

Smart Glass with Distrib AR, basically a safety glass with a small camera and screen. In typical Put-away process fashion, customer or delivery points are assigned to a position in the warehouse. In case of Distrib AR each location is designated by a simple 2-D barcode, optionally with the name of the customer below it.



2-D barcodes are hung as put location markers, either with or without a human readable element.

The operator takes an available product and confirms its quantity. Instead of looking up at the lights above each location for guidance, the operator looks at a 2-D barcode mounted above each put location through the smart glasses.

Through the smart glass camera the 2-D barcode is identified, and instructions of what amount to put at that location projected on the smart glass. The operator sees this as an instruction projected over the bar code.



If no product is needed at a particular location marker, an instruction will let the operator know that that particular location can be bypassed, while at the same time showing the operator of the location of the next drop;



The operator sees the instructions overlaid on the barcode.

Also on the customizable screen at any given time are various useful tools such as:

- A picking progress indicator, which shows the activity in a progress bar
- Look ahead function, where the operator sees up to 5 positions simultaneously, allowing the possibility to most efficiently plan out actions. This 'look ahead' capability is what makes traditional Put-, and Pick-to-Light solutions the most efficient of all picking technologies.



The progress bar on the right of the screen shows how far into the process the operator has gotten.

## Distrib AR



The Smart Glass is fully integrated in the Distrib suite, which means all sorting, adding and cutting and filter options are also available. The Distrib AR solution is the latest in the line of easy to set-up, self-supporting, high quality solutions Pcd data is known for. It records all dispatch transactions, making it easy to accurately establish how and when the orders have been fulfilled and to reconcile against the numbers of products received.

## Distrib AR Benefits

- Elimination of "unaccounted for"
- Real-time track & trace of order fulfilment
- 20-50% proven efficiency improvement versus paper based order fulfilment
- Standardized way of working drives quality of delivery
- Minimal IT or electrician needs to get started



### Want to find out more?

Call us (toll free): (855) 844-1086 or e-mail us at [info@pcdatainc.com](mailto:info@pcdatainc.com)