



Distrib AR

by  **pcdata**
Logistics Automation

The latest addition to pcd data product portfolio for paperless picking solution in the baking industry is the Distrib AR solution.

With this solution, investment in IT infrastructure is reduced to an absolute minimum, while all benefits of implementing the Distrib paperless order picking solution, supported by visual indicators, are gained; labour reduction, increase in accuracy and increased visibility and control.

This makes the solution extremely applicable to install in smaller operations or warehouses which demand greater flexibility (for example temporary locations or warehouses with a lot of fluctuating demand).

What is it?



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.

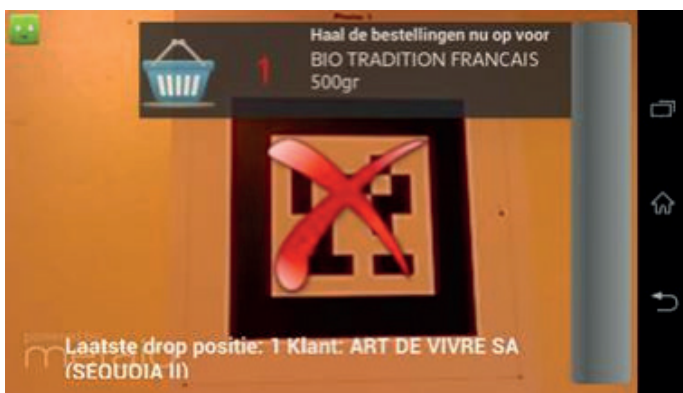
How does it work?

In a typical Put-away process, customer or delivery points are assigned to a position in the warehouse. Upon product availability, operators will take the product and walk past the customer locations, dropping required product at each location whenever there is a demand. Instead of guiding the operator with displays mounted above these customer locations, the operator will now wear a Smart Glass, which is a safety glass with a small screen and a camera.

On each drop location, a printed Marker (in A3 or A4 format) with position number or even customer ID will be available.



Whenever distributing product, the operator will look at the location Markers and the smartpick App (the app on the Smart Glass) recognises the Market and it's encoded position. The App will then show the operator how many products he/she has to drop on each location.



If the operator is looking at a location Marker, for which no product is needed, the App will show the operator that this location can be bypassed. The Smart Glass will also inform the operator of the location of the next drop; next to this the App also indicates the progress of the picking activity in a progress bar. In an environment with a number of locations next to each other, the operator can see up to 5 positions simultaneously, offering him the possibility to plan his next actions.



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The Smart Glass is fully integrated in the Distrib suite, offering bakeries all functionalities to improve their existing dispatching process.

The Distrib AR solution is a self-supporting solution for up to 50 locations, developed specifically with bakery operations in mind. It records all dispatch transactions, making it easy to accurately establish how and when the orders have been fulfilled and to reconcile against production numbers.

Distrib AR main benefits include

- 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
- No IT hassle or need for electrician to get started

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