

Smart Dispenser

A B-ON concept to **improve productivity of last mile deliveries**

B-ON SMART DISPENSER

B-ON Smart Dispenser improves productivity and pays for itself by cutting loading and unloading times.

- Each package is **automatically scanned** as it's loaded
- **GPS-linked rotating shelves** 'know' when the parcel is at its address
- **Shelves serve packages** to the driver at a safe, easy-to-reach height
- **No more** loading items in sequence or hunting for them at drop off

Easier Loading

Rotating trays & onboard scanning to speed up loading

Faster Delivery

Automated sorting giving the right parcel with easy & ergonomic access

Unique indicator lights reduce delivery errors

15+
seconds saved
per parcel
x
250
per day

**Pays
for itself**
within
6 months

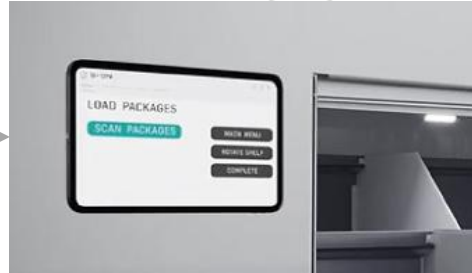
**Up to
9000€***
Additional annual
revenue possible
*Based on delivering
200 packages per day



SMART DISPENSER FUNCTIONALITY



Packages to be loaded



Scanning/ loading



Loading randomly



Rotate shelf and fill all compartments



GPS recognizes destination



Shelf rotates light presents compartment



Package scanned out



Complete



On route to next destination



System recognizes wrongly scanned package for destination

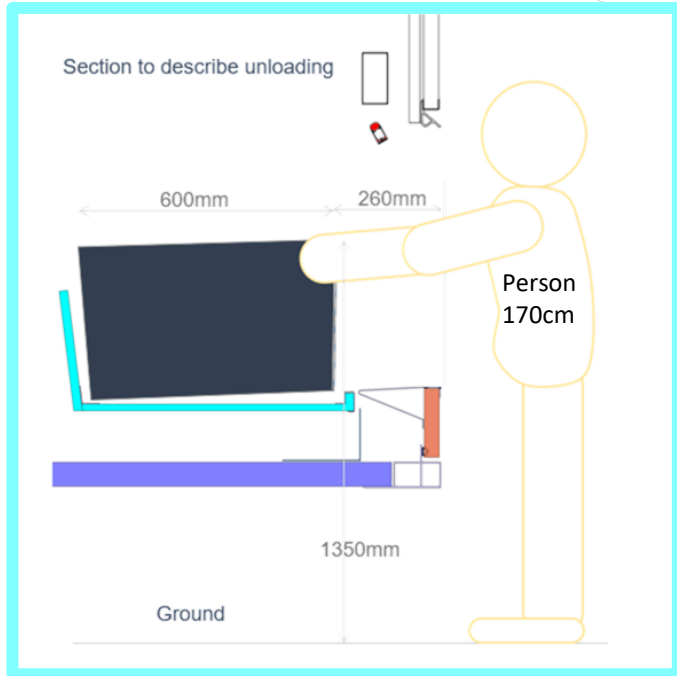


Correct package scanned



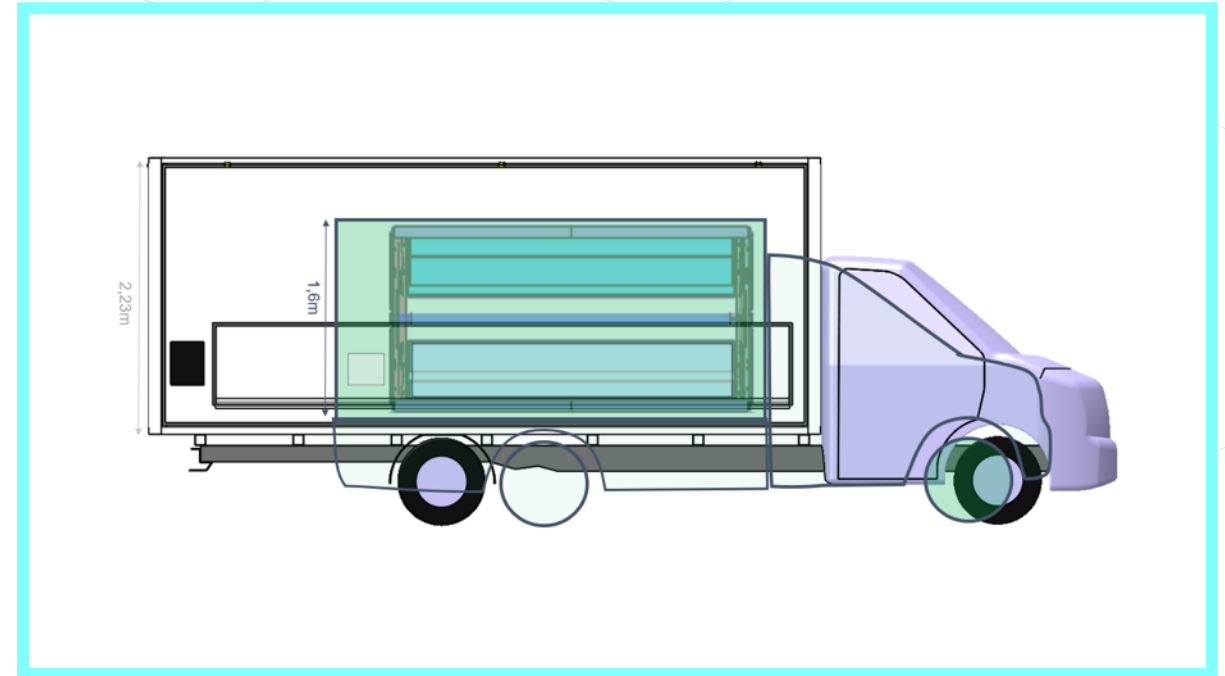
Additional package for same destination on different shelf. System knows and rotates.

DESIGN DETAILS AND CUSTOMER CO-DEVELOPMENT



Key Benefits

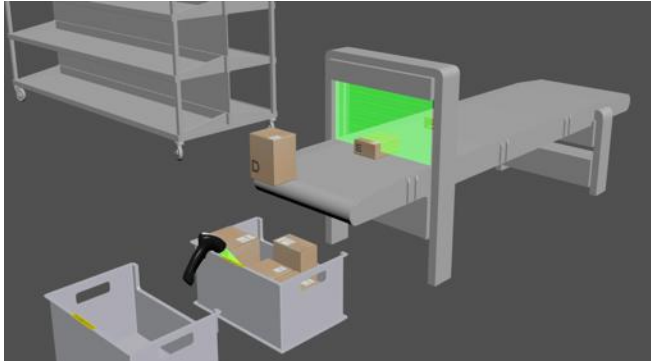
- Savings of approximately 15 seconds per package, translate to around a one-hour saving per day with 250 packages to deliver.
 - Enhances ergonomics by ensuring consistent access from a safe and efficient position.
- Utilizes random storage, with the vehicle managing the organization.
 - Focused on user safety and efficiency



Development process with customer

- Adaptable to any Chassis Cab vehicle.
- Custom design to the customers needs.
- Co-development with Customer to meet all requirements.

OPTION: TOTE LOADING PROCESS FOR FASTER VEHICLE LOADING



Packages are identified in sorting facility and scanned to totes



Totes with random assigned packages are stores on rack



Rack with totes is moved to vehicle



Totes are scanned into vehicle, shelf compartment



Barcode on tote initiates data information into vehicle (data is transferred form hand scanner)



Vehicle is filled with less effort and in less time. Delivery remains the same as without totes

SMART DISPENSER FOR FASTER DELIVERY

Pilot programs under
discussion with major
delivery fleets

First prototype presented:



Oct 2023 at the Japan Mobility Show

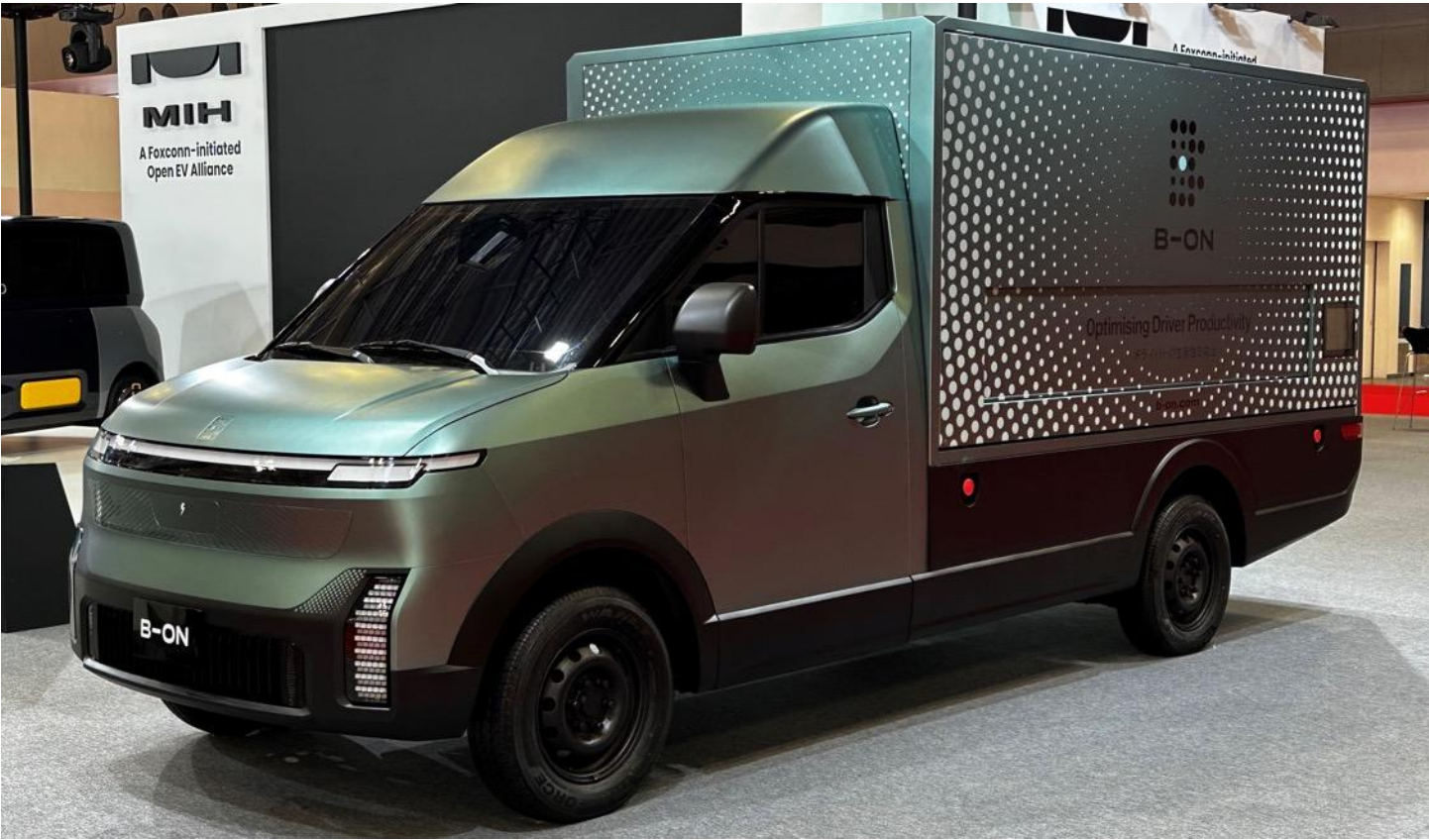


Jan 2024 at CES, Las Vegas



Sep 2024 at IAA Transportation
in Hanover





 **B-ON** : THANK YOU

