SCO RFID-AM/RF Fast4shop for Pharmacies
Aseptic Retail

First self-checkout solution for front-of-store products in pharmacies, contactless and without a touchscreen, implementing the scientific recommendation to eliminate TUI (Touch User Interface) in public spaces to prevent cross-contamination; and the first solution to integrate RFID inventory technology with EAS-AM, EAS-RF and EAS-RFID anti-theft protection technology in a POS system. Additionally, it enables fast inventory control with a handheld RFID terminal without closing the pharmacy.

Challenge

Pharmacies play a fundamental role in frontline healthcare, even within the context of primary health care. They not only dispense medications but also provide treatment advice and prescription follow-ups. All of this creates a 'structural queue' at checkout, discouraging customers who are only looking for over-the-counter (OTC) and wellness products (dietetics, cosmetics, dermocosmetics, and personal hygiene and care items). On the other hand, inventory control of OTC products on shelves using barcode scanning is inefficient, costly, and, in most cases, not performed — leading to persistent human administrative errors in the ERP system. Pharmacies face the same challenges that other retail sectors have already solved: eliminating queues to improve the shopping experience and customer loyalty, along with fast and efficient inventory control.

Solution

Fast4shop is a comprehensive solution based on UHF RFID technology. It allows customers to place front-of-store products in a container, freely add or remove items, and complete their purchase simply by bringing their phone, smartwatch, or payment card close —without touching a screen. The entire process takes less than 15 seconds.

Each product is equipped with a passive UHF RFID tag, custom-designed by **Futurian**. The **Fast4shop** system includes short-range RFID readers with integrated infrared sensors in the drawer and automatically deactivates AM, RF or RFID anti-theft tags at the POS after payment (without user intervention) for higher-value products requiring protection. **Fast4shop** integrates with the pharmacy's existing loss prevention system: AM, RF or RFID.

Customers benefit from a fast, hygienic shopping experience, significantly boosting loyalty, while pharmacy staff can focus on assisting those who need personalized advice, healthcare support, or prescription and treatment management.

Aseptic Retail

Globalization and high urban population densities, along with the need to streamline self-checkout without queues, demand a new generation of contactless POS systems without touchscreens that prevent cross-contamination of infectious agents through fomites (TUI) - particularly in pharmacies where customers are often patients or have been in contact with them.

Fast4shop is the first example of a new generation of POS systems that meets the **Aseptic Retail** requirement, maintaining SKU-level inventory management (product traceability and expiry-date control) while offering rapid inventory control with an RFID terminal.

Fast and Easy

The 'contactless' RFID system of the **Fast4shop** POS delivers a new fast and easy shopping experience for users, with no technological barrier thanks to its simplicity of use - making it perfect for elderly customers who are frequent pharmacy visitors.

Inventory Control

For the first time, this sector has access to **Fast4shop**, enabling rapid inventory management with a handheld RFID terminal (per unique SKU product). A full inventory of a conventional pharmacy (typically 7,000 to 8,000 units across ~1,600 items) can now be completed in under 30 minutes—a task rarely performed before due to the hours required with staff scanning barcodes. This significantly improves loss prevention and stock control.

Integration with Pharmacy's ERP

The **Fast4shop** ecosystem includes a Universal ERP-f4s Integrator that facilitates the integration of Fast4shop sales transactions with any ERP (API) of a pharmacy, as well as the synchronization of the product master and loyalty customers databases for online price discounts or points accumulation. The ERP-f4s synchronization is carried out locally or through the cloud (sFTP).

Customer Loyalty

The **Fast4shop** POS identifies a loyal customer in the pharmacy through their loyalty card (EAN-13 or other code) or with their smartphone via QR, with the unique identifier that the user records in the **Fast4shop App** installation. Free download.

Fast4shop Technologies

RFID
- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63)
- 865.600 - 867.600 MHz (ETSI EN 302 208)
- 902 - 928 MHz (FCC part 15.247)
- Fast4shop RFID Tag f4sC01

AM – Acusto Magnetic
- Compatible with 58 KHz antennas installed in the pharmacy
- AM adhesive tags

RF - Radio Frequency
- Compatible with 8.2 MHz antennas installed in the pharmacy
- Fast4shop RFID-RF tag f4sC02
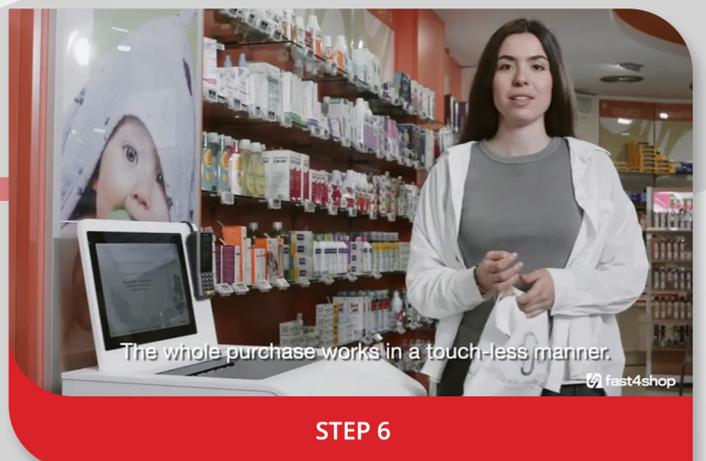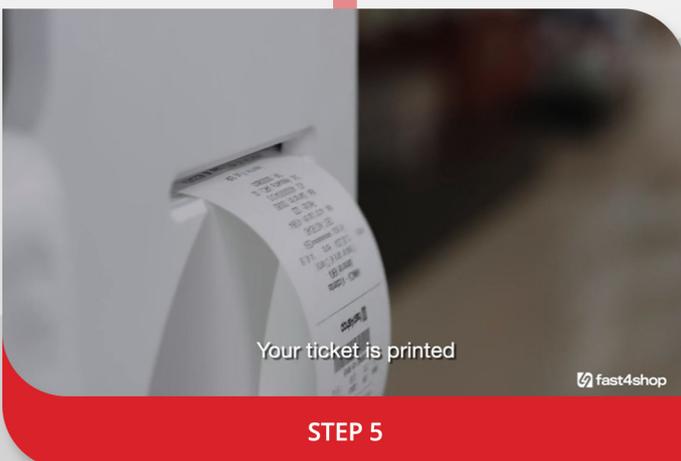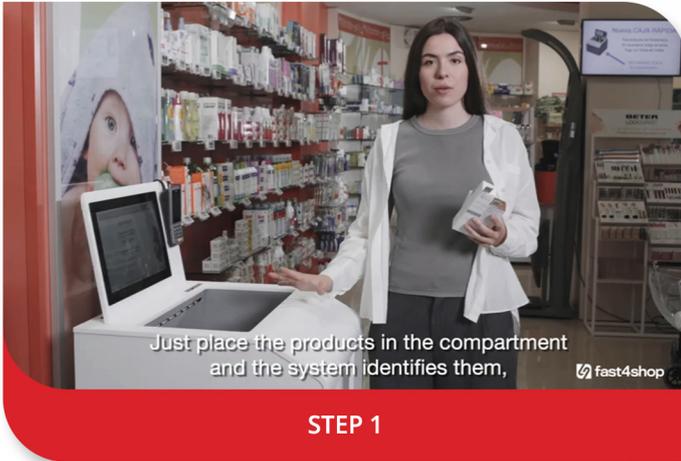
IR – Infrared Network
- Emitter with a wavelength of 870 nm
- Gesture detection for "contactless" operation

Barcode or QR
- 1D/2D optical reader for identifying loyal customers with the pharmacy membership card

Contactless Purchase Process in a Pharmacy

Thanks to innovative RFID-AM/RF contactless technology, the **Fast4shop** POS offers the fastest and most hygienic payment solution on the market, with an intuitive design that allows any user to operate it with ease.
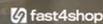

Just place the products in the compartment and the system identifies them,

STEP 1

Should you decide to discard a product, simply remove it from the compartment

STEP 2

When you are done placing the products, simply reach the terminal and

STEP 3

the system automatically detects a payment ongoing operation and processes it.

STEP 4

Your ticket is printed

STEP 5

The whole purchase works in a touch-less manner.
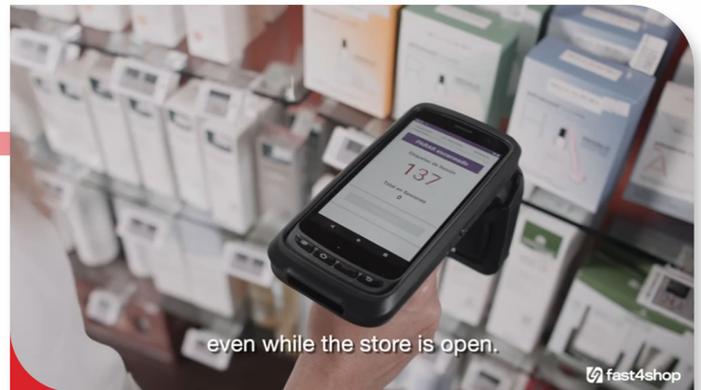
STEP 6

Efficient Ecosystem

Fast4shop is the first fully contactless retail ecosystem, combining in a single platform: self-checkout via mobile phone, smartwatch, or card without interaction with touchscreens; open-pharmacy inventory; RFID + EAS-RFID / EAS-AM / EAS-RF tags for product identification and security; and automated SKU-level product management.
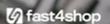

Perfect for a pharmacy that avoids cross-infections.
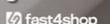
Touchless

even while the store is open.

Inventory

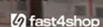The printer also encodes the chip in the tag.

Identification

And activate and deactivate the alarm on the tag.

Security

This system is a perfect solution for the management and control of OTC products.

Management

Further info at
https://fast4shop.com/
https://futurian.es/

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