

Common challenges

- Need to track and trace medical devices across the supply chain to meet regulatory mandates adopted worldwide
- Face high costs and hygiene risks due to labor-intensive warehouse operations
- Make mistakes when processing inventory manually
- Find it difficult to maintain accurate audit trails



Benefits of using UHF or PJM* RFID

Suppliers save time, cost & labor while achieving end-to-end supply chain visibility

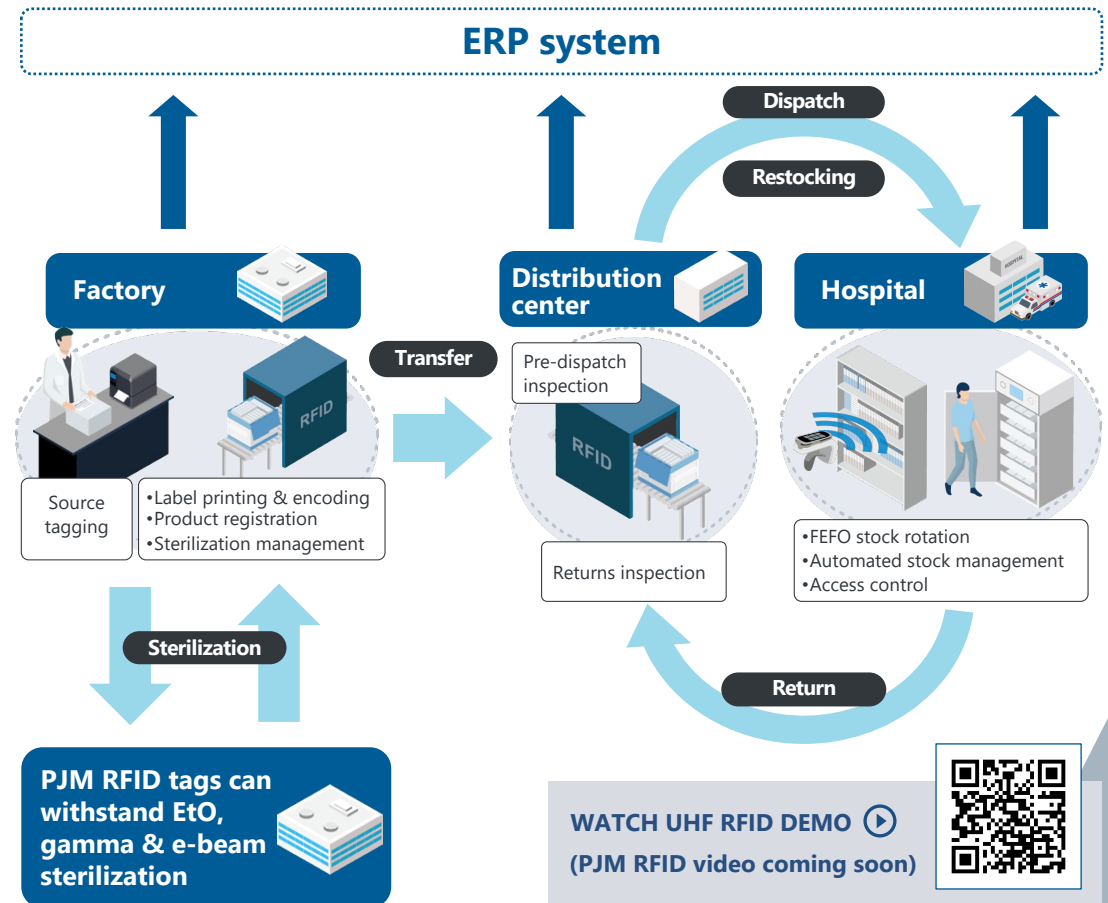
- Use UHF or PJM RFID to label/tag medical devices and process them in bulk with speed and precision, making it possible to optimize stock levels and turn rates.
- PJM RFID is suitable for source tagging as its radiation-hardened tags can withstand sterilization so there is no need for retagging at subsequent touch points.

Hospitals manage loan kit inventory in real time, accurately & automatically

- Reduce overstocking and associated costs while ensuring that items closer to expiry are used first (FEFO) to cut loss, especially for short-dated inventory.
- Allow only authorized staff to access loan kits stored in smart cabinets, which can be connected online for remote inventory management. Related date and time-stamped data collected provides hospitals with reliable audit trails to strengthen compliance with industry standards.

* PJM (Phase Jitter Modulation) RFID conforms to the ISO18000-3 Mode 2 standard, which is specifically designed for high-speed identification of randomly packed bulk or stacked items in static or conveyor-fed applications. It is unconditionally compliant with global EMC regulations and can be used on an unlicensed and unrestricted basis worldwide.

For a more effective trail of asset history



Reasons to choose SATO's RFID labels/tags

(Not applicable to PJM RFID)



Outstanding in performance

We offer RFID labels/tags that equip not just standard inlays but also inlays with SATO-original antennas. By designing and manufacturing these antennas in-house and converting them to labels/tags on our own, we ensure their reliability when used in the application-specific solutions we develop for each customer.

As the manufactured labels/tags may vary randomly in attributes due to lot differences, we conduct 100% quality control inspection prior to shipping out and keep production records for traceability.

Besides boasting high readability, SATO-designed RFID labels/tags also deliver optimal print quality when used with SATO printers, thereby minimizing any unnecessary downtime for customer operations.



Environmentally friendly

Businesses can improve their sustainability efforts by using eco-friendly SATO-designed RFID labels/tags that we make with our original antennas.

✓ No plastics

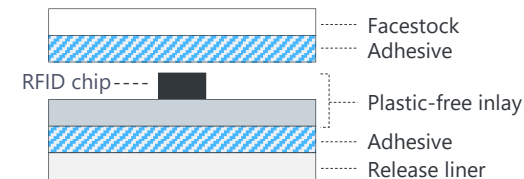
Our RFID label/tag antennas are produced directly on paper.

✓ No chemicals

When producing antennas, we do not use solvents or generate process residue that pollute the environment.

✓ No waste

Our antenna production process allows for any leftover aluminum to be removed and reused.



Multiple products as one comprehensive solution

▶ RFID printer



CL4NX Plus

▶ RFID label/tag

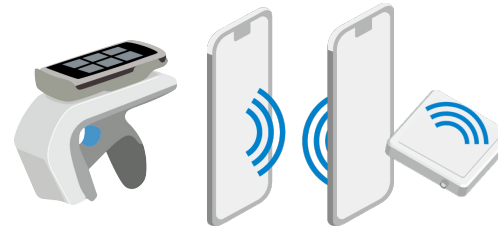


UDI (Unique Device Identification) compliant UHF RFID label



PJM RFID sterilization hardened tag

▶ Other RFID hardware



Third-party UHF RFID handheld & fixed readers



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Third-party UHF RFID smart cabinet



PJM RFID tunnel reader

- RFID products contain sensitive semiconductor chips that may cause their read performance to vary substantially depending on the environment where they are used.
- Field testing for RFID solutions is required in the customer's actual operating environment prior to implementation.
- As RFID solutions are built based on field testing, any subsequent changes to tagging positions and other conditions may affect their intended performance.

- All information in this leaflet is accurate as of April 2022.
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