

Optimising Readability with Flag TagSolution™



SATO leads the industry with a breakthrough and provides new RFID solutions with the FlagTagSolution™. End-users can benefit from the improved RFID read and write performance with SATO's RFID printers that embed, verify, and print the inlay-embedded FlagTag™.

1

Interfering Factors that Affect Reading Accuracy

Reading accuracy can be adversely affected due to varying conditions. Radio frequency (RF) can be subject to interference, predominantly from metal and liquid products, which influence the performance of an UHF IC tag, especially when packaged in metal cans or containers leading to shortened reading distances or cause a change in frequency, making it nearly impossible for the tag to be read



2

Too Many Tags !

Companies that are determined to utilise UHF technology need to look for an IC tag that takes into account the requirements of the product and packaging, along with the shipping method.



3

The SATO Solution - One Tag For All

The FlagTagSolution™ can be used on pallets, cases, metal drums, liquids, or aluminium cans without compromising read performance SATO and UPM Rafsec have developed a unique solution, FlagTagSolution™, using the patented UHF label, FlagTag™, which can be applied to virtually all UHF RFID applications in the market today.



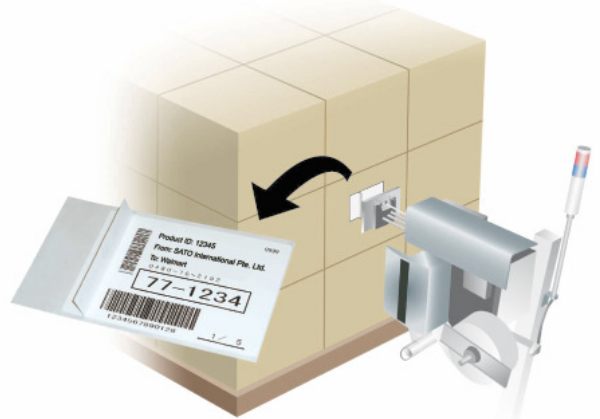
FlagTag™ Applicator Producing Flag TagSolutions™

FlagTag™ is shaped by either of the following :

1. Semi-automatically by using SATO's UHF on-demand CL408 e
2. Automatically by using SATO patented 'Print & Apply' FlagTagSolution™ with M8485Se RFID print engine installed to the FlagTag™ Applicator

The process involves:

1. Encoding and verifying the data onto the FlagTag™ inlay
2. Printing necessary variable data onto the label
3. Folding the printed sections along the perforations to form the raised 'flag'
4. Automatically applying the FlagTag™ to pallets and cases to create FlagTagSolutions™



The labels can be folded into a flag shape either by hand or using an automatic applicator, which employs a patented 'Print & Apply' mechanism. By folding the RFID label into a flag shape, and placing the antenna in a raised position, the data read/write capability is significantly improved