RFID
Radio Frequency Identification

Efficient supply chain management

RFID has come to revolutionize supply chains of the industrial, transportation, pharmaceutical and now the apparel industries of the world. It not only delivers benefits for retailers such as the reduction of "out of stock" ocurrances, increase of product availability and shorter sales cycles, but it also provides benefits at the manufacturer level by allowing a more efficient and quicker production planning, monitoring and warehouse management.

Having two experts at your service

UPM Raflatac is a world-leader in large-scale, high-quality RFID inlay production that has worked closely with major retailers around the world and has a proven track record in developing innovative solutions such as the first Gen2 inlays that offer great level or RFID performance. Finotex is a leader in the apparel brand identification industry known for its knowledge, experience, quick delivery dates, reliability and strong customer service teams. Together, we offer you a smooth transition towards adopting this new solution for your business.

Convenient production facilities in most major sourcing locations in the world

Our in-country production facilities offer you on-time expedited RFID tags to meet the fast-paced production lead times in today's markets.

For samples or more information on our offerings, please contact your Sales Representative.

How it all works

1. Garments manufacturers add the RFID tags one of two ways.

A. To poly bagged products with pressure sensitive stickers that incorporate the RFID inlays.

B. To loose garments the RFID inlays are placed on removable labels such as hangtags, price tickets, pocket flashers, sock bands, etc.
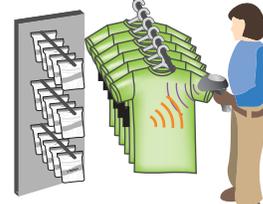
2. The garments are scanned with electronic readers, which build the specific database for each lot, and then are shipped to the customer.

3. The goods are scanned at the customer's distribution center and stores as bulk (no need to scan one item at a time).
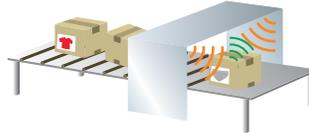
4. Once the goods are scanned and the inventory databases are fed, workers can scan the garment racks or stacks to discover which items need to be replenished.

The electronic reader instantly tells which sizes are available in the store's inventory and where they are located.

5. Once the garments are purchased, the end user can throw away the tags with the sensors, along with the product's packaging.

Finding the right source tagging option

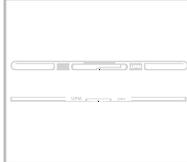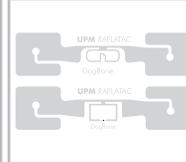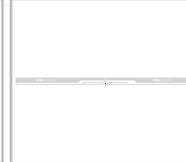"Source tagging" is to incorporate the RFID inlay onto the product's packaging. There are three options:

1. Applying RFID tags to hang tags - The manufacturer recieves printed and converted tags to be applied onto existing hang tags or packaging.

2. Converting the RFID inlay inside a hang tag - The manufacturer receives tags that already have an RFID inlay embedded inside.

3. Preparing and encoding RFID tags at the source - The manufacturer is required to have an RFID printer (to print and input paper-faced RFID tags) and an RFID source tagging station (to integrate barcode information to the RFID tag). Training is also needed to manage this technology.

We can help you in all three options.

Our RFID Product Offering

RF features	Belt 70 x 14 mm Belt 70 x 15 mm	Web 22 x 40 mm Web 30 x 50 mm	Spine 93 x 5 mm Spine 108 x 3 mm	ShortDipole 93 x 11 mm ShortDipole 93 x 11 mm	DogBone 93 x 23 mm DogBone 93 x 23 mm	Viper 124 x 5 m
Operating frequency	860 – 960 MH	860 – 960 MH	860 – 960 MH	860 – 960 MH	860 – 960 MH	860 – 960 MH
Global tag (Broadband)	✓	✓	✓	✓	✓	✓
Protocol & memory						
Protocol	ISO 18000-6C EPCClass 1 Gen 2	ISO 18000-6C EPCClass 1 Gen 2	ISO 18000-6C EPCClass 1 Gen 2	ISO 18000-6C EPCClass 1 Gen 2	ISO 18000-6C EPCClass 1 Gen 2	ISO 18000-6C EPCClass 1 Gen 2
EPC memory	96 bit / 240 bit (x)	96 bit / 240 bit (x)	96 bit / 240 bit (x)	96 bit / 240 bit (x)	96 bit / 240 bit (x)	96 bit / 240 bit (x)
Additional user memory	512 bit optional (x)	512 bit optional (x)	512 bit optional (x)	512 bit optional (x)	512 bit optional (x)	
Delivery Format						
Dry	✓	✓	✓	✓	✓	✓
Wet	✓	✓	✓	✓	✓	
Tag (paper face)	✓	✓	✓	✓	✓	
Physical features						
Die-cut dimensions	73 x 17 mm / 2.87 x 0.67" 86 x 48 mm / 3.39 x 1.89"	26 x 44 mm / 1.02 x 1.73" 34 x 54 mm / 4.33 x 0.20"	97 x 8 mm / 3.82 x 0.30" 110 x 5 mm / 3.39 x 1.89"	97 x 15 mm 3.82 x 0.59"	97 x 27 mm 3.82 x 1.06"	N/A

Disclaimer: Our recommendations are based on our latest knowledge and experience. As our products are used in circumstances beyond our control, we cannot be held liable for any damage caused through their use. UPM Raflatac/Finotex reserve the right to change its products and services at any time without notice.