



WE LEAD.
WE LEARN.



The RFID product range from UPM Raflatac Ticketing

Select the right product for ticketing applications from UPM Raflatac's extensive HF and NFC product range.

RFID technology offers immense opportunities in Automatic Fare Collection (AFC) to reduce maintenance costs, provide faster service and enhance the transport experience for passengers. UPM Raflatac's high quality products are used by major operators including Moscow Metro.

Using RFID for event and ski lift tickets improves customer security, accelerates ticket handling and offers a superior method of fraud prevention.

UPM Raflatac offers an extensive range of HF RFID tags and inlays for ticketing applications. We also offer a wide variety of Near Field Communication (NFC) compliant products. NFC enables data exchange between devices a few centimetres or inches apart.

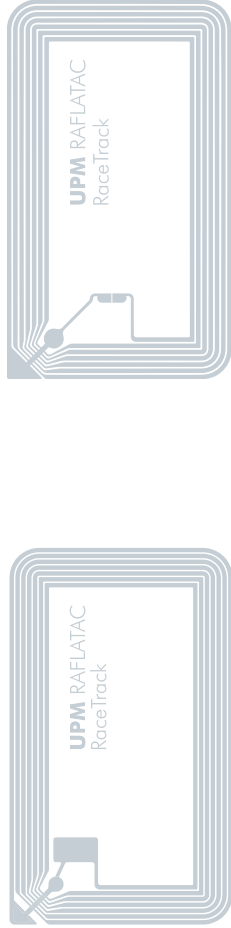
UPM Raflatac inlays are the best options both for paper tickets and plastic cards. Excellent inlay quality results in high production efficiency with minimal yield losses in the converting process.

UPM Raflatac's RFID operations are certified to ISO 9001 quality standards and ISO 14001 environmental standards.

UPM Raflatac. Pro RFID.

UPM RAFLATAC

UPM Raflatac RFID products for Ticketing



Pictures are not to scale.

	RaceTrack NFC 45 x 76 mm	RaceTrack 45 x 76 mm
Protocol	ISO 14443 A	ISO 15693/18000-3.1
Frequency	13.56 MHz	13.56 MHz
Antenna size	45 x 76 mm 1.772 x 2.992"	45 x 76 mm 1.772 x 2.992"
Die-cut size	49 x 81 mm 1.929 x 3.189"	49 x 81 mm 1.929 x 3.189"
Delivery format	Dry inlay (without face material) and wet inlay	
Adhesive	Non-toxic adhesive with neutral pH value 5-7	
Memory	512 bit standard, optional up to 1 kbyte	Optional up to 2 kbit
Security	High security available depending on the IC	
Application	<ul style="list-style-type: none">• mass transit, event ticketing and access control• suitable for paper tickets and plastic cards	<ul style="list-style-type: none">• event and ski lift ticketing, access control• suitable for paper tickets and plastic cards

Products according to ISO 14443 B and different antenna form factors are available upon request.

