

RFID solutions for item traceability

The ultimate evolution of labelling

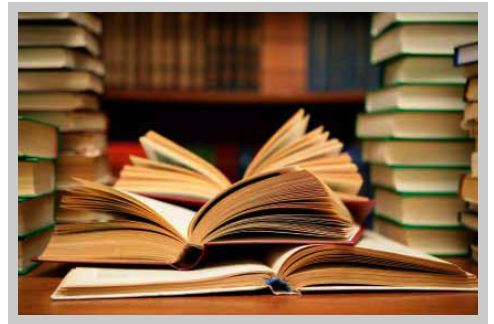
WHY ROTAS?

- ▶ Since 2000, Rotas has been manufacturing labels, cards and badges with HF and UHF RFID tags. Active tags are also available.
- ▶ Rotas has a production facility which is unique in Europe for high volumes, low costs, and quality assurance.
- ▶ Rotas employs the state of the art technology (Class1 Gen1, EPC certified) for customized applications, successfully operating even in extreme environments and conditions. Different sizes and frequencies are available to meet the standards of every part of the world
- ▶ THYSSEN KRUPP selects Rotas to solve a safety issue. DHL selects Rotas for logistics optimization. G8 ENERGY MINISTERS MEETING 2009 selects Rotas for access control...
- ▶ Rotas employs an integrated approach to packaging solutions. It handles a problem analysing it in all its different elements, each single component and all their technical correlations.



BENEFITS

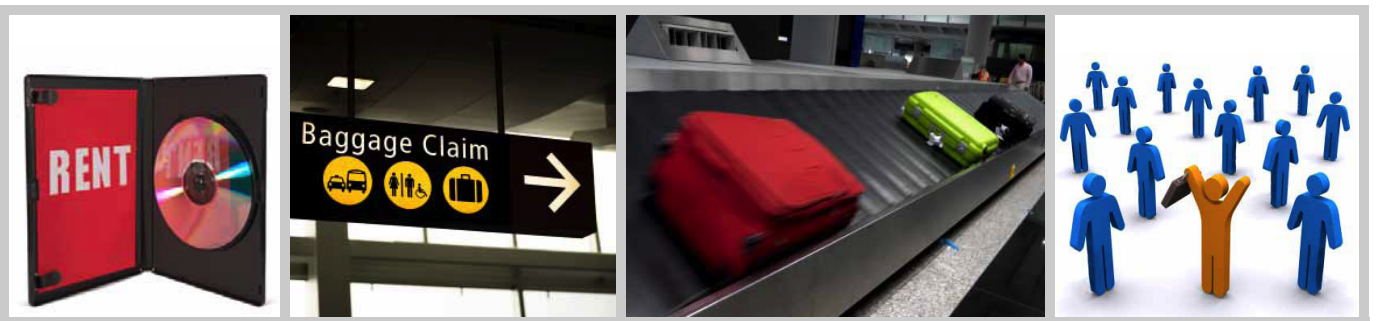
- ▶ Identification
- ▶ Availability check
- ▶ Localization
- ▶ Expiration dates control
- ▶ Conservation status control
- ▶ Time reduction
- ▶ Order, inventory and warehouse management
- ▶ Complete, reliable, real-time information
- ▶ Service improvement (e.g. renting, self-service)



HOW IT WORKS

Less time and resources for doing the same things. Depending on the specific purpose, different **Tags readers** are available: manual or automatic, short, middle or long range.

Single or multiple long-range reading are possible. Through a **software**, all information concerning the items and the processes in which they are involved can be always available real time.



- ▶ HF and UHF passive tags, Active tags 2.45 Ghz
 - ↳ HF with 3D antenna: reliable performance even in the presence of metal, water, people, etc
 - ↳ UHF: the most widely used in logistics applications, long-range readability up to 10m, multiple identification of a high number of items.
 - ↳ Active tags: long-range readability up to 80m for specific purposes, low-cost readers available.
- ▶ Multilevel tracking: from the single item to the box, to the pallet.
- ▶ FleXiWare: middleware infrastructure for the communication between RFID system and the client's software

For more information please contact our RFID Department: Tel.: +39 0422 433100 mail: rfid@rotas.com

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