SATURN System

Complete system to track the flow of flat and packed linen with RFID UHF tags for Industrial Laundries

Folded Garment Distribution System

Automatic Management for Uniforms

Conveyor Belts

Management System for Flat Linen

Management System for Hanging Garments

Automatic Industrial Changing Rooms

Automatic Changing room for spa

We design and sell systems for the automated management of workflows for Healthcare facilities, Companies, Industries, Accommodation Facilities, Laundries, Spas & Gyms. We specialise in RFID tracking systems that offer clear advantages to customers in terms of control, management, efficiency and security.
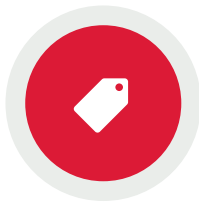
SATURN is the **automatic system based on UHF RFID technology for complete tracking and control of flat and packed laundry items in all washing**, storage, delivery and collection phases at the customer's premises.

The system's hardware and software can be configured to adapt to customer needs and workload, and to the available spaces and organisation of the work phases.

Saturn consists of:

- ⊘ *RFID (UHF) tags applied on each garment*
- ⊘ *Various types of hardware control stations to manage the flow of materials, combined with dedicated software*
- ⊘ *Data analysis and reporting to monitor dispersions, stocks and efficiency indicators*
- ⊘ *Saturn Management System Software*

AUTOMATIC INVENTORY

Of all the laundry items circulating inside the establishments, linen rooms and along the entire distribution and collection chain.

OPTIMISATION OF STOCK

With absolute control of stagnation thanks to the monitoring of production lead times.

NO NEED FOR MANUAL RECORDS

Thanks to the automatic generation of production and delivery orders with printing of transport documents and packing lists.

STEP 1
RECEIPT OF DIRTY MATERIALS IN THE FACILITY

• Control of incoming dirty rolls (with G30 or G66 automatic scanner) • Control before entry into the tunnel washers • Option of intermediate reading points

STEP 2
CONTROL, VALIDATION AND IDENTIFICATION OF IN-LINE PACKAGES

• Printing of identification labels • Compliance check • Blocking of line in the event of nonconformities

STEP 3
DELIVERY OF PACKAGES FROM THE FACILITY

• Automatic issuing of transport documents by trolley reading • Automatic control with RFID terminal or intelligent truck (GPS & RFID)

STEP 4
RECEIPT OF PACKAGES IN THE LINEN ROOM

• Loading of linen room (with G30 or RFID guns)

STEP 5
DELIVERY OF PACKAGES TO THE DEPARTMENT

• Automatic issuing of transport documents by trolley reading • Unloading of linen room • Loading of department's linen room, also with smart UHF cabinets

STEP 6
RECEIPT OF DIRTY MATERIALS IN THE LINEN ROOM

• Unloading of department's linen room • Automatic control with RFID (UHF) terminal or intelligent truck (GPS & RFID)

OPTIMISATION OF NEW INVENTORIES

By tracking the entire path of the garment and knowing the actual dispersions allows replenishing inventories only as needed.

REDUCTION IN GARMENT LOSS

The garment is tracked during all the work phases, highlighting any irregular flows and the causes for the loss of any laundry items.

ENERGY SAVING

Through the optimisation of the production cycle and drastic reduction in inventories and garments to be replaced.

TRACKING OF FLAUNDRY ITEMS IN ALL PHASES

The unique identification of the garment occurs via RFID (UHF) technology. The chips or tags are designed to withstand washing, ironing and sterilisation cycles.

REDUCTION IN OPERATING COSTS AND TIMES

Knowing the exact amount of stock located in the various points of the chain reduces dispersions of laundry items and time wasted to count and deliver them.