

Hörtig Rohrpost GmbH

# RFID BAG SENDING

## BENEFITS OF BAGS WITH RFID-CHIPS

- **Tracking & Tracing:** It is known at any time where the sent bags are
- **Colour-Coding:** Prioritized further processing of arrived transports
- **Integration into Information Systems**

## SECURITY DUE TO TRACKING & TRACING

Data is generated by RFID chips placed in the bags and RFID readers distributed throughout the pneumatic tube system. This data offers the possibility to **monitor all transports in real time** and to analyze them afterwards.

With our RT-Win 4 pneumatic tube software, technical staff and logistics managers therefore receive a list of all transports with times, sender and recipient information. This allows **anomalies to be detected** and clarified or system design and processes to be optimized.

But employees also benefit from the condensed information that is displayed on installed **arrival and departure screens** directly at the workplace.



This means that every employee can see the status of the transports relevant to him or her directly at the workplace. There is no more need for annoying inquiries about the whereabouts of certain transports with colleagues.

Bags in particular are lost more quickly than containers if they are incorrectly loaded, as their physical nature means that they can fit tightly against the pipe wall and get stuck there.

Particularly when **shipping medications**, it is important to document their distribution process. The use of RFID is an important component in ensuring the chain of custody.

## COLOUR-CODING FOR BETTER USABILITY

If consignments are to be **prioritized** for processing – for example, samples from an emergency surgery – they are sent in bags of a specific color. These bags then **trigger**

an **alarm** when they arrive so that the laboratory can process them in a prioritized manner.

## INTEGRATION INTO CUSTOMERS' INFORMATION SYSTEMS

The RFID chips turn the bags into **smart objects** that can be integrated into customer information systems (e.g. LIMS).

## THE RFID-CHIPS IN THE BAGS

Since the bags for pneumatic tube systems are disposable items, we have made sure to use **particularly inexpensive RFID chips**. Thus, the bags are inexpensive alternatives despite RFID chips.

## INITIAL IN THE SYSTEM OR RETROFIT POSSIBLE

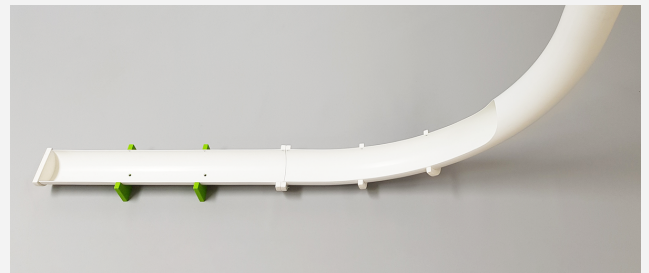
RFID bag tracking is available **from day one** or is a simple addition to your system as part of a **retrofit**.



Bag Send Station

## WHY BAGS INSTEAD OF CLASSIC PNEUMATIC TUBE CARRIERS?

The use of bags is even **more hygienic** than using classic pneumatic tube carriers. Each bag is used only once and disposed of directly after use. In addition, when using bags, the possibly contaminated air of the pneumatic tube system is discharged. Bag stations are purely sending stations. This means that only air ever flows away from the station. Due to the architecture of the system, it is therefore not possible for germs to be returned to the station via the air.



Reception Ramp at Saint Luc hospital

### Reference

A pneumatic tube system with RFID bags has been under construction at the **Centre Hospitalier Saint Joseph Saint Luc hospital in Lyon, France**, since February 2022. It is expected to be operational by the end of March. The hospital uses 8 pneumatic tube stations that use RFID-equipped bags. These arrive at the lab on a reception ramp, which is also equipped with an Arrive Screen.

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[www.rohrpost.de](http://www.rohrpost.de)

+49 921 / 789 49 0