



Efficient intralogistics in hospitals

Hörtig air tube transport systems for hospitals

**hygienic | track & trace | discreet | safe | prevention of cross-contamination |
high user-friendliness | efficient workflows**

Pneumatic tube in the hospital

In hospitals, transports of the most diverse goods have to be carried out. All hospital wards, the laboratory, the pharmacy and the reception can be intelligently networked with a Hörtig pneumatic tube system. Samples, medications, blood transfusion bags, small and light objects and paper documents can be shipped. The goods are always transported quietly and gently. Time-consuming walking distances are eliminated, thus saving the two most valuable resources in a hospital: Time and staff. This benefits patients and employees alike.

Extensive equipment options for optimal adaptation of the system to your needs

- Integration of transport data into the hospital's own management system
- Colour coding of pneumatic tube carriers with limited destination selection for individual carriers
- Authorization of shipments to protect against improper handling
- Possibility to prioritize shipments
- RT-Win 4 software - smart, innovative and thoughtful
- Multi-zone systems with state-of-the-art monitoring technology
- Automatic return transport of empty carriers to the sending station

Full Track & Trace

The contents of each carrier and the carrier itself can be monitored during dispatch with Hörtig pneumatic tube systems. The intelligent pneumatic tube software RT-Win 4 stores this data including time stamps at departure and arrival. If desired, this data can also be transferred to the company's own hospital or laboratory management system.



Pneumatic tube station 465
with 10 inch touch screen



Liquid tight carrier



Laboratory Stations

Special workflows in the laboratory require adapted stations for optimal workflows, which is why Hörtig Rohrpost offers a wide range of station variants:

- One send or one receive station and combined send/receive station
- Multicarry-zones: Transport of multiple carriers simultaneously over longer distances
- Multiple sending stations: Loading of several carriers at the same time
- Different output variants: Receiving sheet, receiving ramp, receiving conveyor belt
- Tracking via RFID

➔ Reduced turnaround time, improved workflows, efficient use of space, safe arrival of blood specimens

Laboratory Carriers

- Leak proof, pressure tight and temperature resistant
- Leak proof carriers can also be used for shipping goods requiring special protection, such as cytostatic drugs. For this purpose there is a specially designed inner and outer carrier.
- Avoidance of cross-contamination: The target selection of different carriers can be restricted by color assignment and the use of RFID chips. This ensures, for example, that laboratory carriers that are potentially contaminated by samples can never travel to the pharmacy.
- Many specific inlays for laboratory carriers for a protected and optimized transport of the items to be shipped.
- Equipped with RFID chips and barcodes for integration of transport data into the hospital's own management system.

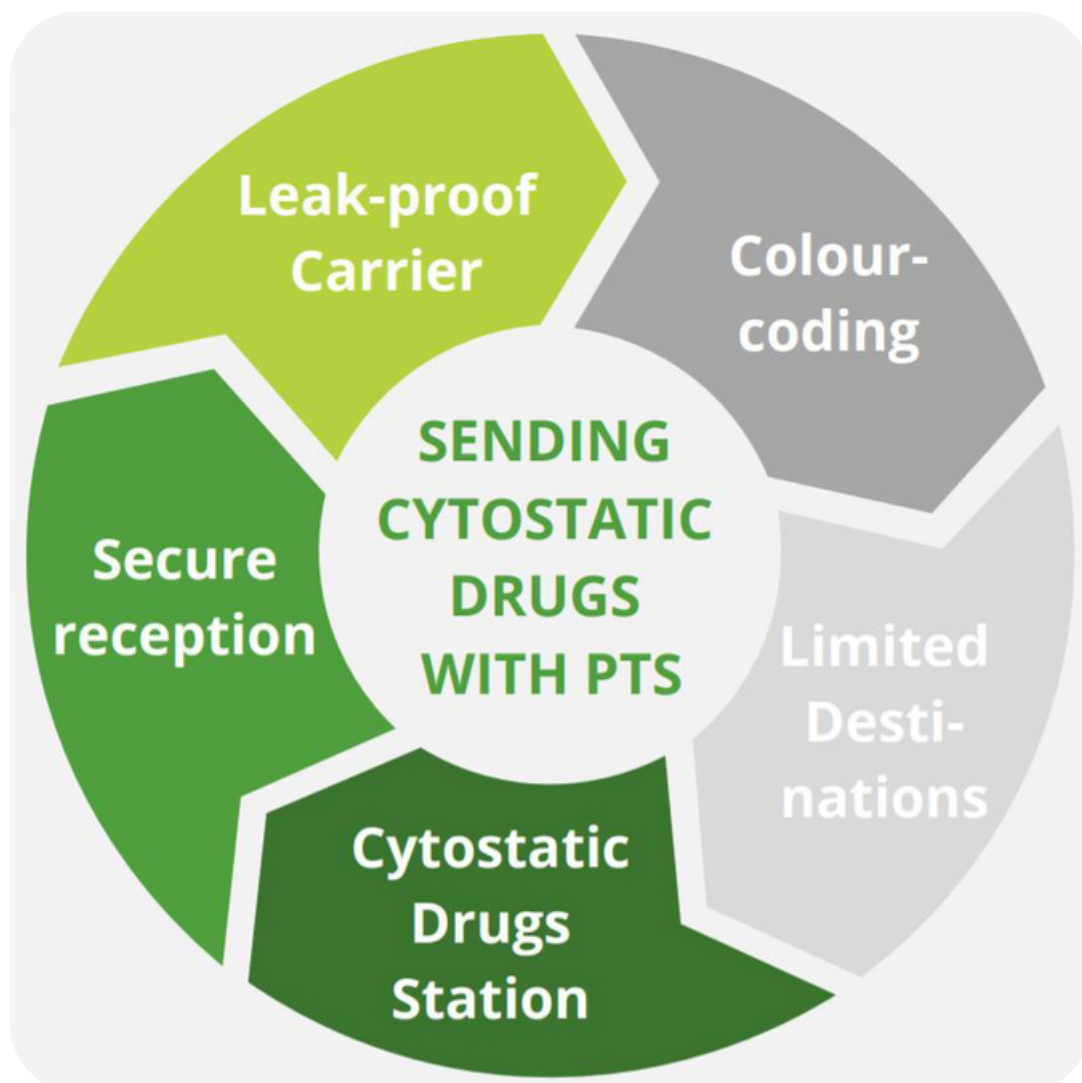


Shipping cytostatic drugs

Due to their high toxic properties, cytostatic drugs must be shipped particularly safely. In the event that even a small amount leaks, the entire pneumatic tube system would be contaminated. It would then have to be cleaned at great expense and would be out of service for several days.

Hörtig Rohrpost has developed various safety levels for the safe transport and handling of these toxic substances:

1. Special carriers with a special inner carrier are used. The cytostatic drugs carrier is completely leak proof and can withstand an overpressure inside of up to 100 millibars.
2. By using a specific carrier colour for cytostatic drugs transports that is different from the other carriers, it can be ensured that no cross-contamination occurs.
3. RFID chips are used to limit the destination of cytostatic drugs carriers, allowing the toxic substance to be sent only to oncology.
4. Before the carrier leaves, the special cytostatic drug station checks that the inner and outer carriers are present and properly sealed, and therefore leak-proof.
5. If desired, upon arrival of the cytostatic drugs carrier, the recipient of the cytostatic drugs must authorize himself before removal from the pneumatic tube station. This ensures that the carrier is only removed from the facility by the correct person.



Hörtig Rohrpost is a German supplier of pneumatic tube systems based in Bavaria. For more than 55 years we have been realizing pneumatic tube systems tailored to the needs of our customers worldwide. We are partners for development, production, installation and maintenance. Our systems can be found in hospitals, in industry and in trade. They provide support wherever fast and safe transport is required and/or longer distances have to be bridged efficiently.

Our business activities focus on maintaining and improving the high quality of our products and our outstanding performance in customer service. Reliability and fairness towards our customers, suppliers and employees is a matter close to our heart. We actively take on complex requirements that the customer places on us. We implement individual, needs-based solutions in close cooperation with the customer, architects and our specialist staff. As a service plus, we offer our customers maintenance contracts to have the systems checked professionally and at fixed intervals. For malfunctions, we have set up a "24/7 hotline for remote maintenance" so that any faults that occur can be rectified immediately, quickly and cost-effectively.



Innovation

Continuous development through 4 R&D departments
Adaptation of the plants to special needs



Efficiency

User-friendly
Process optimization through automated data acquisition and intelligent control
Cost-efficient



Reliability

55 years of specialized experience
Long-standing customer relationships - Satisfied customers worldwide
Local dealers with country-specific expertise
Successfully implemented projects in over 40 countries
24/7 Worldwide Support

Other applications of pneumatic tube systems: industry, supermarket, special applications.

Would you like to learn more about secure shipping using pneumatic tube systems? We will be happy to take time for you. You can reach us at info@rohrpost.de or +49 921 789490.