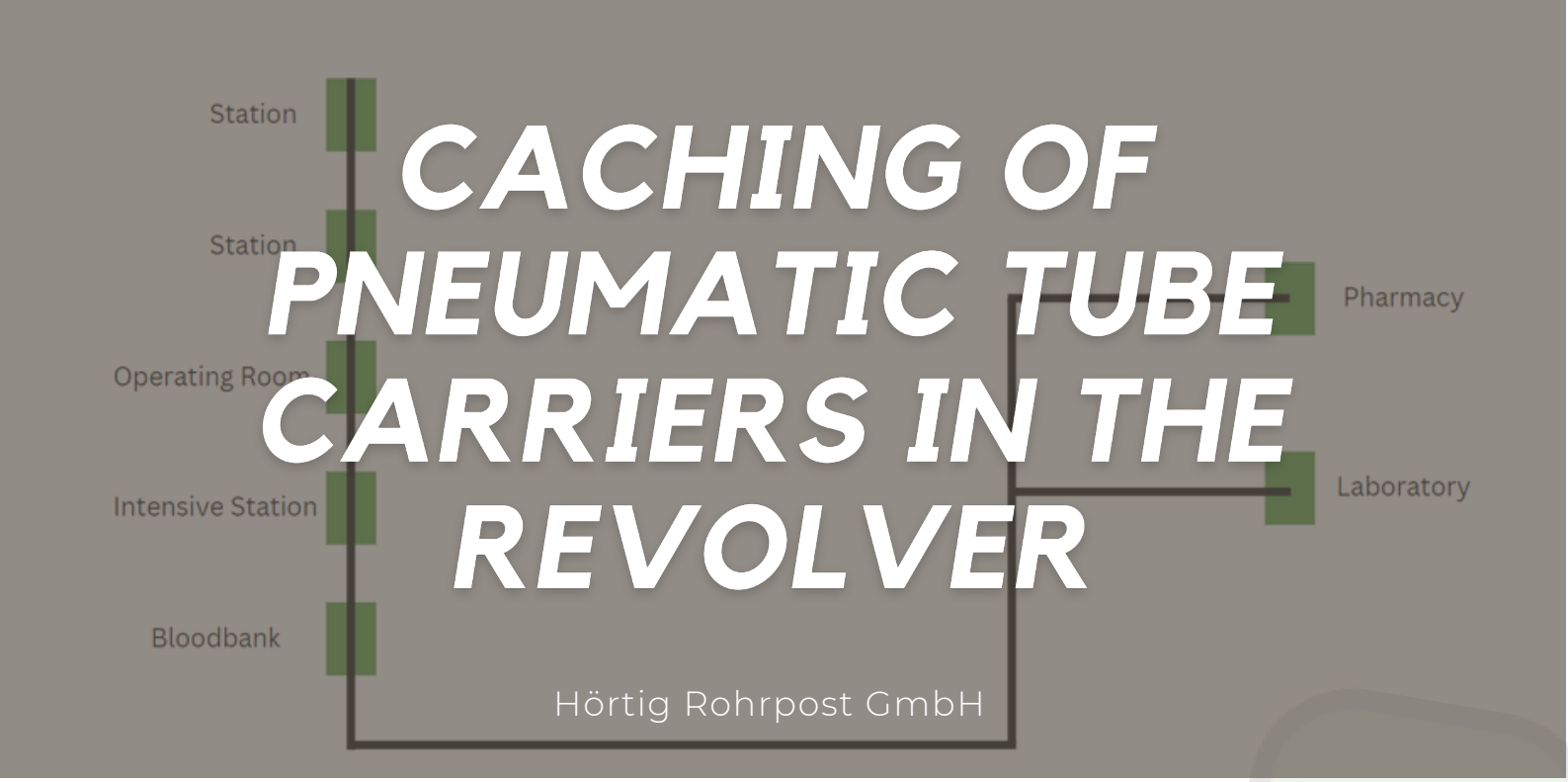

CACHING OF PNEUMATIC TUBE CARRIERS IN THE REVOLVER

First an empty carrier, then a carrier with a patient file and then the important tissue sample from the operating room to the laboratory. When pneumatic tube carriers are processed chronologically within a pneumatic tube system, important items are only delivered after a correspondingly long time. This can cost lives.
When planning a pneumatic tube system, it is important not to lose sight of the fact that time-critical shipments must find their way much faster than others.
To solve this problem, the pneumatic tube systems of Hörtig Rohrpost work with priorities. In order to be able to implement these, so-called revolvers are installed at the transfer points of various lines.

- **Prioritization of particularly important shipments**
- **Fast reuse of the starting station**

Priorities

If a carrier is prioritized because it contains a time-critical shipment, the system gives it priority. In addition to the manual entry of a priority, it is generally possible to store in the pneumatic tube system that certain shipments from important stations are permanently and automatically given priority for faster processing. Revolvers are used to implement this. Different transport carriers can overtake each other in the revolvers.

Are you the person responsible for the pneumatic tube system and would like to receive comprehensive performance analyses on your system? Our RT-Win4 pneumatic tube software, with extensive additional options, provides you with almost every insight required for a meaningful situation analysis. The pneumatic tube software is available for plants of type H61F.

Caching of pneumatic tube carriers in the revolver

Which carriers are temporarily stored?

A carrier is to be sent to a station, but the station is temporarily unavailable.
For example, because the basket of the destination station is full, the station has switched off, the laboratory is only there during the day, or the route has a malfunction. As a result, the carriers are automatically temporarily stored in the revolver. There they are held back until further travel is possible.
Without the revolver, a carrier that cannot be delivered blocks the start station. With the revolver, the carrier moves out of the start station and is temporarily stored in the revolver, so that the start station can be used again immediately.
In addition, carriers that require a release are temporarily stored; they are called Secure Receive carriers.

The picture shows two revolver. These are usually stored in the technical room of the building.

Intermediate storage of Secure Receive transmissions

When a secured shipment is sent to a station, without Secure Receive function, it has to wait for the release by the authorized person. The carrier is temporarily stored in the revolver and continues to the destination station after successful authorization from the revolver.
If several secured shipments are sent to a Secure Receive Station, this particular destination station can only hold back one secured carrier at a time until it is released. In order not to block the start station in this case, the other secured carriers are temporarily stored in the revolver and transported to the destination station after release.
This means that if a pneumatic tube system has a revolver installed, the sender can always send off all secured pneumatic tube consignments and does not have to wait for the arrival and release of the first consignment.

Simple operation

To make the operation easier and more transparent, the user can see at the destination station how many secured shipments he will receive. At the same time, the shipper can always retrieve his secured shipment - regardless of whether the shipment is already in the station or still in the revolver. This is especially important if the cold chain of the shipped item is interrupted because the recipient does not receive it quickly enough. Also, if the intended recipient is not present because they are sick or off duty, the shipment can be retrieved and resent to the correct recipient. This retrieval of shipments can be done manually or automatically, according to certain rules.
In addition to these secured consignments, carriers are also temporarily stored in the revolver that are in the process of being overtaken by filled or higher priority consignments.
The revolver is not a large device that takes up its own room. The Hörtig pneumatic tube revolver is compact and efficient. It is capable of managing different priorities of pneumatic tube carriers and provides a sufficient buffer for each line of the pneumatic tube system. It can store up to 15 carriers.