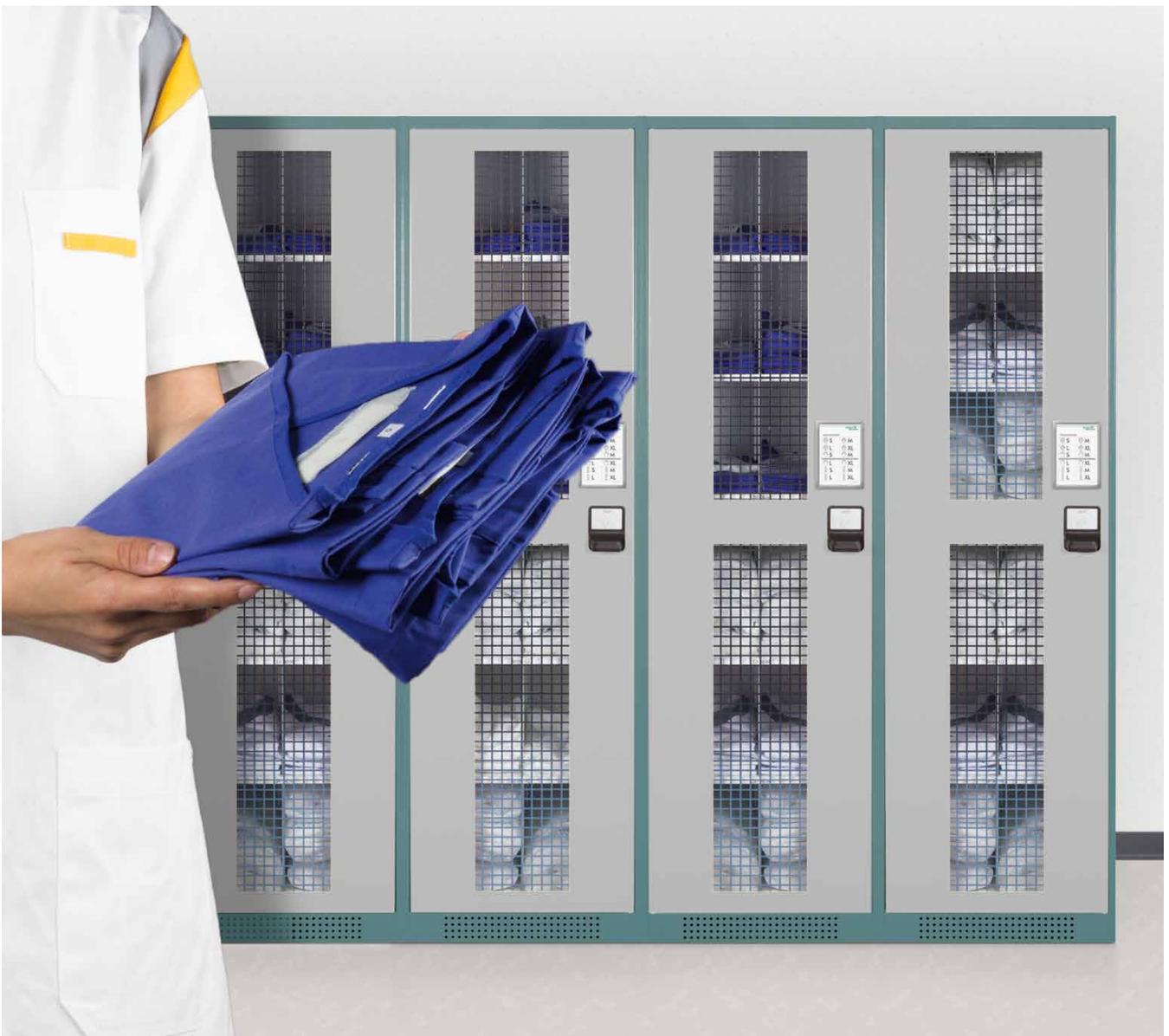# textag® Textile Asset Management

Central and decentralised textile management

tex*tag* ® Laundry management

Reliably control textiles using UHF tags

Managing textiles is often a challenge. Logistic processes, optimisation of inventory and regulating the use of textiles are difficult to control and plan to achieve best outcome.
By implementing textag you are able to increase transparency and manage your textiles cost-efficiently. With its greater range UHF technology opens up new logistic opportunities. Furthermore textag is compatible with established HF and LF technologies.

With textag you are able to gain an overview of the entire textile cycle: central and decentralised dispensing and return of textiles, the collection of used textiles and delivery of cleaned and prepared textiles. At the same time the focus is always placed on a fast and user-friendly operation.

textag provides a rapid return on investment due to the reduction in operating costs and associated work.

Compact, fast, reliable

Benefits at a glance

Consistent performance

The reading range of textag transponders remains constant, even after 200 wash cycles, there by maintaining consistence system performance and reliably over the life of the item.
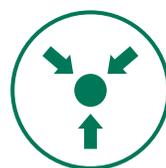
Parallel access

To provide fast access each locker is equipped with its own access control reader, the individual control of each locker allows many users in parallel to access each locker there by avoiding long queues.

Wet and dry laundry

No matter if wet or dry, our transponders always provide optimum and constant range.

Fast inventories

Thanks to fast inventories of items in the lockers, you are able to access your textiles in just a few seconds.

98%

On average as many as 98% of textiles are recorded in our laundry lockers – the best performance across industry.

Central and decentralised dispensers

We are able to offer you a tailor-made solution to suit your requirements for central and decentralised dispensing of textiles.

Videos and further information are available at: **www.deister.com/textile-management**

teXtag® Smart Frame

The laundry knows where it belongs!

Programme our textag transponders yourself according to your individual requirements, such as colour, size, washing temperature, purchase data and so forth. This data makes it possible for your item of laundry to be more precisely identified and managed independently of the central system.

All data stored in the textag transponders is encrypted and as a consequence is protected against manipulation. Whilst at the same time the 128 bit EPC data record makes it possible to achieve maximum performance when scanning items in bulk.

UHF table top reader

and much more ...
White coat or bed sheet
Owner
Washing temperature
Purchase date
Size
Colour
Serial number

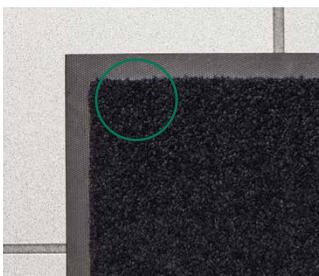# UHF transponder portfolio

A diverse range of applications

deister electronic has developed high-performance transponder types to meet the requirements of different applications in the textile industry; they are not only designed to withstand the effects of water, heat, steam and pressure, but all of the chemicals used in the washing process of commercial laundries.

Flat laundry and work garments

Wet and dry laundry

Vulcanize

Container

UHF long range readers

Industry standard, robust & compact

TSU readers are distinguished by an extremely robust housing made of die-cast aluminium and a compact design with an integrated antenna. Designed for use in industry, the readers are IP67 certified and suitable for installation in damp as well as dusty environments.

The TSU 200 achieves a range of 7 m and the TSU 100 reaches 3 m.

TSU 200   TSU 100

texCabinet

Intelligent dispenser and return lockers for textiles

Utilising textag dispenser and return lockers means you are able to optimise decentralised management of your laundry inventory.

The cabinet dimensions of the locker system are optimised for storage space whilst using the least floor spare possible. The result being it is possible to manage 700 items (folded items of clothing) per square meter of floor space. The lockers are designed to allow fast access with information about the content made visible on a sign on the outside of the locker. The locker design makes it possible to both quickly remove as well as fill with items when and where they are needed. The clear windows integrated into the doors enable users to recognise the amount of items inside the locker and determine their access accordingly.

Textiles can be dispensed and returned in less than five seconds without the need for complex interaction with the control system. The system automatically identifies the user and the clothing that has been removed or returned, whilst recording all activities at the locker until the data is retrieved by the higher-level system.

the textiles as they are returned. Once the locker is full it is possible to replace the laundry sack inside quickly and conveniently.

✅ 24 / 7 availability of laundry inventory

✅ Reduce waste and loss of laundry

✅ Permanent inventories and overview of laundry stocks

✅ Meaningful user data to optimise supply and demand

texCabinet D 200

To remove an item each user identify themselves at the locker with their user card. Only if they have access permission to the system and content is only then possible to open the locker door. Any items the user removes is recorded automatically after the door is closed. For access to be fast and efficient, users are able to use the lockers in parallel without having to spend time waiting in a queue. The segmentation of the compartments inside the lockers can be adapted to the folded width of the textiles.

texCabinet R 50

To return textiles the user simply deposits the items in the opening of the return locker. The locker automatically records

TCD 200   TCR 50

texGate

texGate
Flexible, mobile and robust

texGate is used to record textiles in laundry containers and to identify individual containers as part of container logistic operations. Its flexible walls mean texGate does not require ram protection and is impervious to damage resulting from collisions with other containers.

Once calibrated, texGate can simply be put to work at its position hanging from the ceiling. If it is in the way, it can be pulled up under the ceiling or easily removed and stowed away. The fact that texGate can be mounted everywhere allows for maximum flexibility during planning or alterations.

texRoom
Central dispensing of textiles

The objective of a central textile dispensing solution is to identify and record users and textiles quickly and reliably. Its vital that its fast and efficient dispensing is important for many users to avoid waiting times and delays.
transferGate is the entrance to texRoom in which it is ensured that all textiles have been recorded. That applies to both filling and removal of textiles.
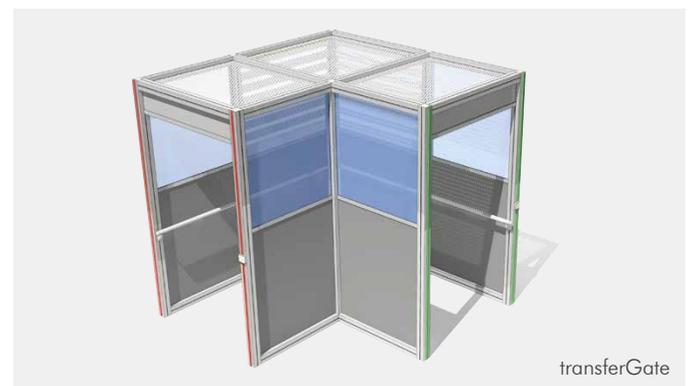If required, one or more texCheck stations increase the throughput in transferGate.

texRoom

transferGate

transferGate is the entrance to texRoom in which it is ensured that all textiles fitted with transponders are automatically recorded.
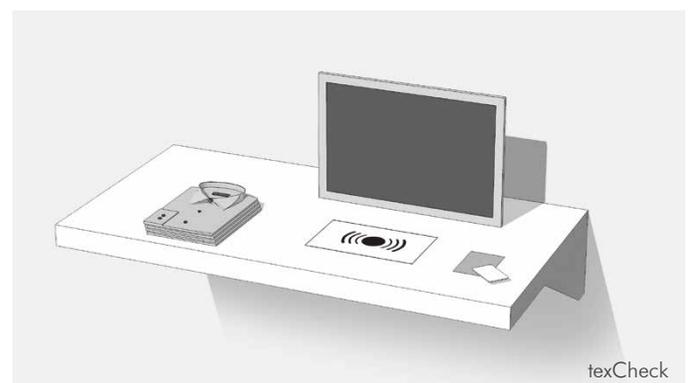Users must identify themselves at the entrance to transferGate with their user card when leaving the texRoom and then pass through the transferGate. That ensures that all textiles are always recorded together with the user information. transferGate does not need any doors or other components that requiring maintenance.
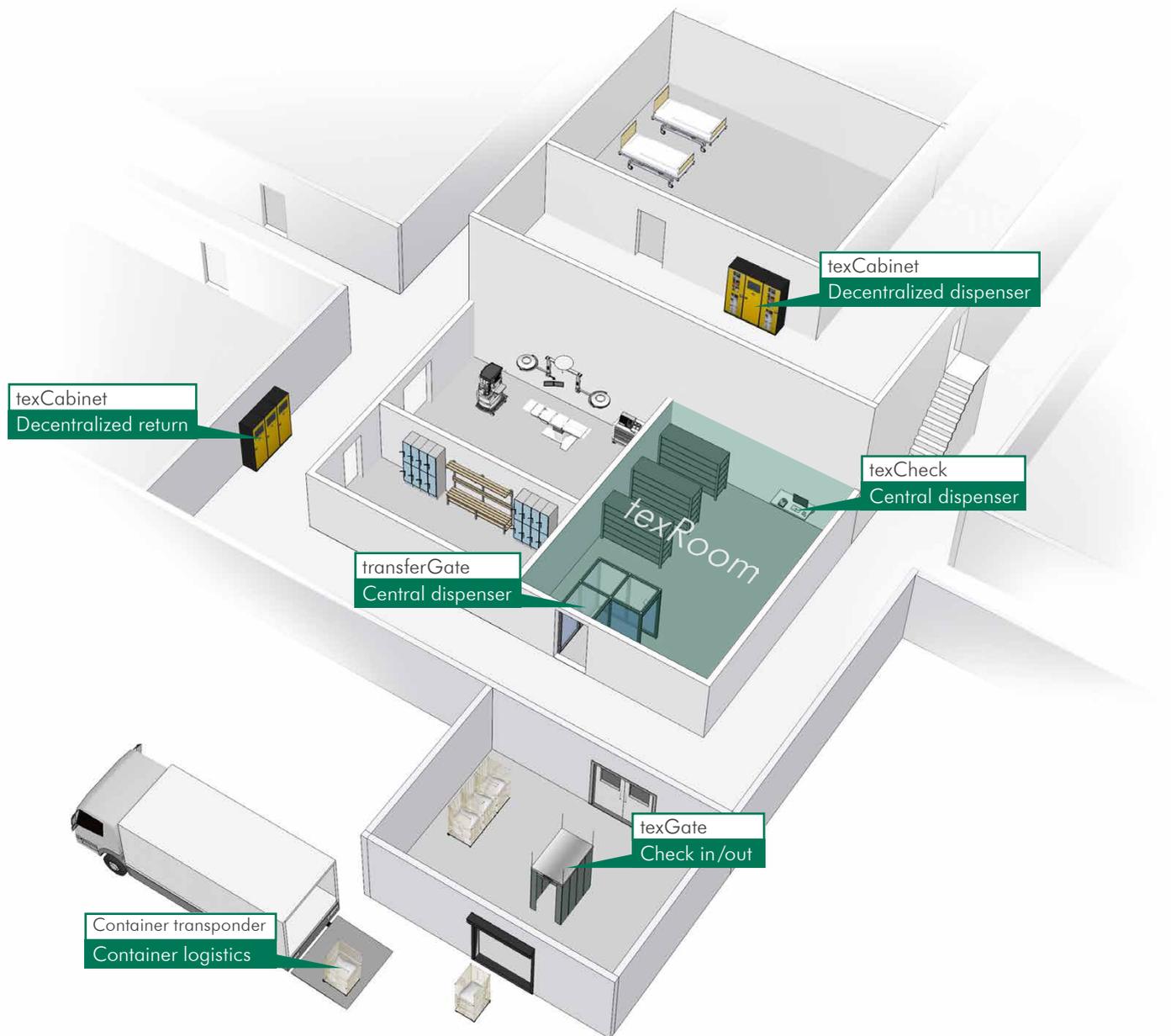

transferGate

texCheck

texCheck is used as a station to manually record textiles. The efficiency of texRoom is increased when used in combination with transferGate, because the user is able to assign textiles to his own person at several texCheck stations within the texRoom. transferGate simply serves as a final control instance of all booking activities. Generally speaking, one texCheck can be used to manually record items in many places.

texCheck

Intelligent textile management

Central and decentralised service from a single source supplier

texCabinet
Decentralized dispenser

texCabinet
Decentralized return

texCheck
Central dispenser

texRoom

transferGate
Central dispenser

texGate
Check in /out

Container transponder
Container logistics

About deister electronic

deister electronic is an innovative, family owned global business with 40 years of experience in developing electronic and mechanical products for security and industrial automation. Widely acclaimed for our expertise and specialist implementation of RFID technology within practical applications, from Key Management and access control to logistics and process control.

deister electronic GmbH (HQ)

Hermann-Bahlsen-Straße 11
30890 Barsinghausen, Germany
E-Mail: info.de@deister.com
Tel.:   +49 5105 516111
Fax: +49 5105 516217

Find your international contact:
www.deister.com /contact

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