teXtag® Textile Asset Management

Central and decentralized textile management

deister electronic

Managing textiles efficiently

For economic reasons it is absolutely essential for both textile service providers and hospitals to maintain stock control of laundry and minimize the stock levels.

In the past, hospitals either had a laundry issuing point or the laundry was stored in shelves in the departments. Often the issuing point was either not open when the staff needed something, or the laundry was not stored in the correct location.

The textag Textile Management laundry system has been developed with the objective of effective management of work garments, operating theatre clothing, and other textile requirements. All clothing and textiles are fitted with UHF RFID transponders and managed in intelligent lockers.
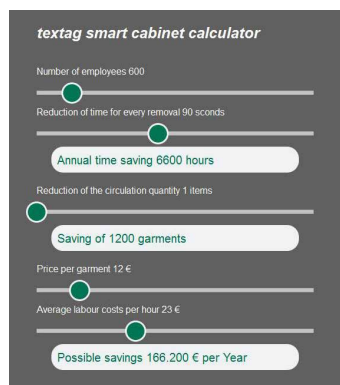
By using the textag system's intelligent dispensing and returning technology companies retain both a complete overview of the current stock of the work garments in circulation, and also permanent access (24/7) to clean clothing for the staff.

If the building use is altered, the configuration can be changed to suit the new requirements both quickly and simply.
The compact dimensions of the dispensing and returning locker system means that very little floor space is required for installation. As a result it is possible to manage 700 items (folded items of clothing) per m² of used floor space. The interior of the dispensing lockers can be adjusted to fit the clothing.

Through decentralized location of the dispensing lockers the staff requires less time to reach the laundry issuing point.
One great advantage is that several lockers can be accessed simultaneously. In this way the time required to access clothing is greatly reduced, making long waiting times a thing of the past.
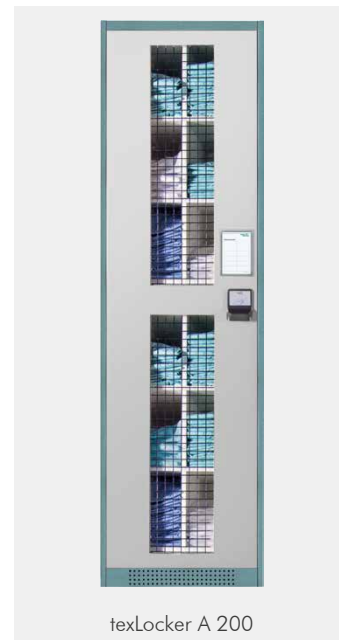
The major savings that can be achieved with the help of intelligent laundry management systems are illustrated in the following model calculation for hospitals.

texLocker A 200 (dispensing locker)

The lockers are designed to facilitate fast access. Content information is visible on a display on the outside of the locker, making it possible to both quickly remove as well as fill items as required. The windows integrated in the doors enable users to see the amount of items inside the locker before opening, and thus open the correct locker.
Textiles can be dispensed and returned in less than five seconds without complex interaction with the control system. The system automatically identifies the user and the item of removed or returned clothing and saves all booking activities until retrieved by the higher-level system.
To remove an item each user must first identify him or herself at the locker with his/her user card. ▶

texLocker A 200

textag smart cabinet calculator

Number of employees 600

Reduction of time for every removal 90 sconds

Annual time saving 6600 hours

Reduction of the circulation quantity 1 items

Saving of 1200 garments

Price per garment 12 €

Average labour costs per hour 23 €

Possible savings 166.200 € per Year

The textag lockers can be operated in stand-alone mode, or integrated into an existing access control system, so that staff can also use their personal access transponder for the texLocker. Access to the lockers can be administered individually for each user, or in groups. Only when the user has the appropriate access rights can the dispensing locker be opened to remove clothing.

As soon as the locker door is closed again, an inventory is carried out and the result reported to the management administration system. The removal of the item of clothing fitted with a UHF RFID transponder is automatically registered in the administration system and saved to the staff member's user account.

For access to be fast and efficient, users are able to use the lockers in parallel without having to spend time waiting in a line. The segmentation of the compartments inside the lockers can be adapted according to the folded width of the textiles. It is possible to store as many as 200 items of textiles per locker.
A servo closing mechanism assists opening and assures the closure of the locker door, so that there are no booking errors.

texLocker R 50 (return locker)

Once the staff member has returned the used clothing to the return locker this is registered in the staff member's user account.

texLocker R 50

These processes, which are monitored electronically, ensure control of the laundry in circulation and punctual refilling of the laundry stock as required. ■

Please contact us for further information:
Phone: +1 (703) 368 2739
Email: info.us@deister.com

An overview of the highlights:

✓ **24/7 availability of laundry stock**

✓ **Reduce waste and loss of laundry**

✓ **Permanent automatic inventories & overview of laundry stock**

✓ **Meaningful user data to optimize supply according to demand**

About deister electronic

For 40 years, deister electronic has been an internationally modern and sustainably managed family business that stands for innovative and safe automation solutions. With five international locations, we sell our solutions worldwide and have a strong international focus. Our solution portfolio is used, for example, in the following applications: Long-range identification for access control, access control to buildings, automatic management of work equipment and valuables in electronic locker systems, dispensing and management of textiles for laundry and hospital logistics.

Deister Electronics USA, Inc.

8576 Wellington Road
Manassas, VA 20109 USA
E-Mail: info.us@deister.com
Phone: +1 (703) 368 2739
Fax: +1 (703) 368 9791