# T-DOC version 17 Release

GETINGE ✳

T-DOC version 17

With a complete user interface update, new system integrations, enhanced IT security and business intelligence capabilities, T-DOC version 17 helps hospitals achieve an efficient, sustainable and more secure sterile supply workflow.

Complete modernization of T-DOC

T-DOC has undergone a continuous transformation towards a more modern look and feel while optimizing user efficiency. With T-DOC version 17, the user will now experience a streamlined interface throughout all areas of T-DOC: T-DOC Admin, T-DOC Scanner Client, T-DOC Web Client, icons, and all T-DOC info overviews.

All barcode templates, pack lists, and delivery notes now have a new and fresh look. The barcode templates have more intuitive and visual step-by-step user guidance with 2D codes. The templates are all flexible and can be configured to match the user's needs offering staff better support.
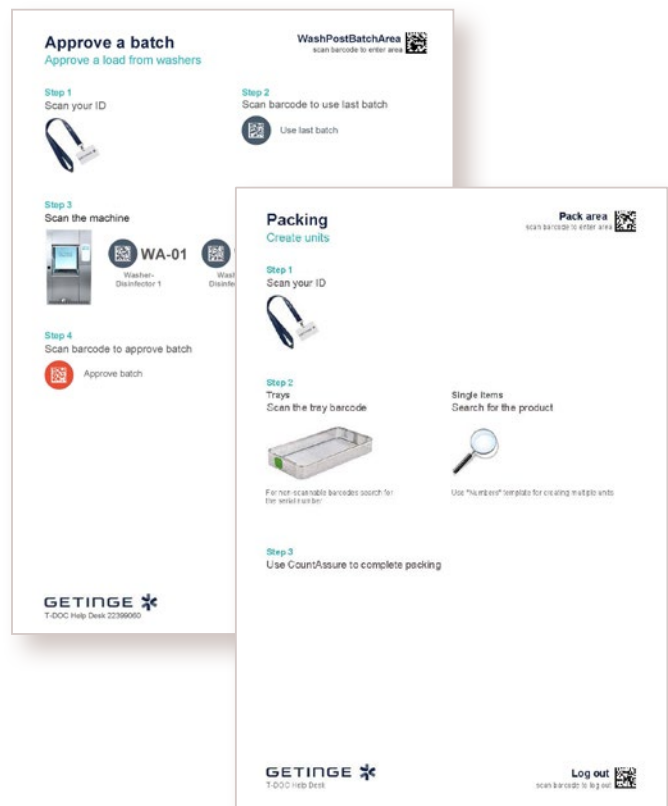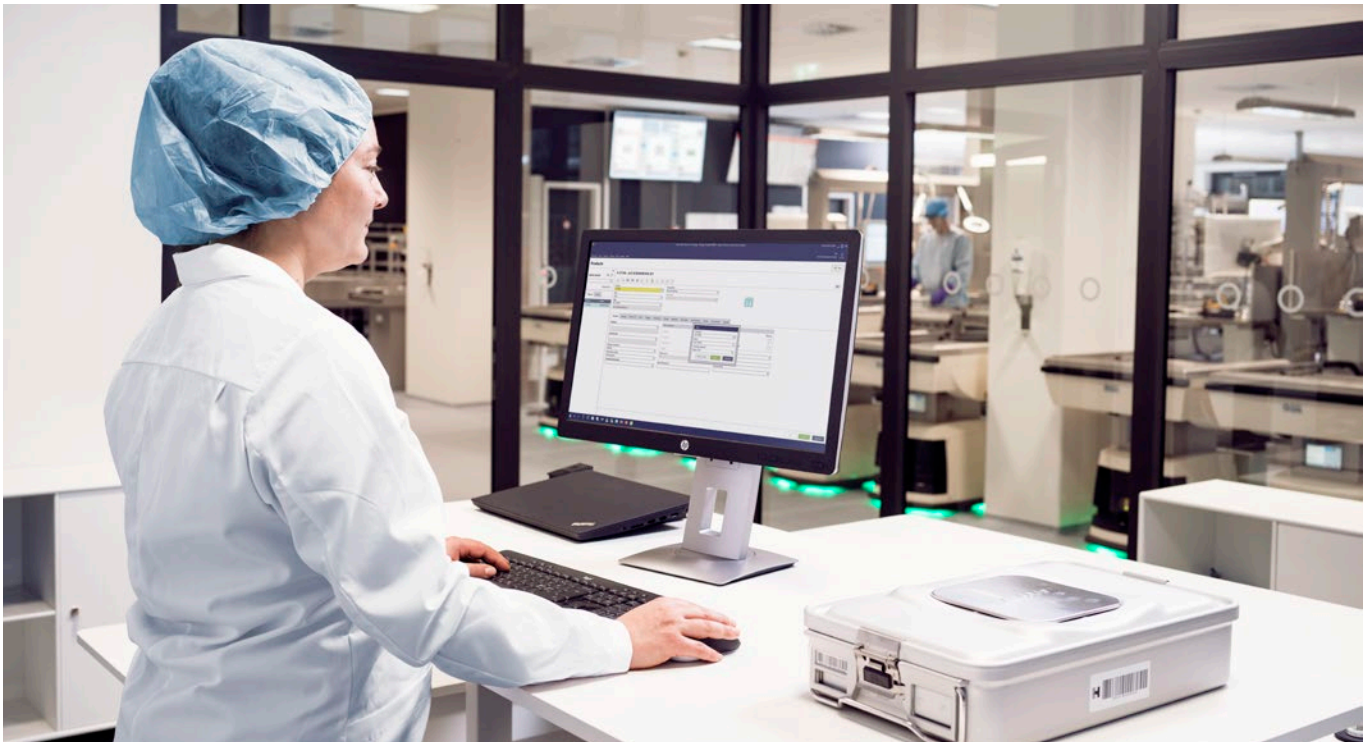
T-DOC now runs seamlessly on Citrix

To support high security and low maintenance of hospital IT infrastructure, T-DOC clients now run seamlessly on the Citrix platform. Getinge IT Solutions ApS has been registered as a Citrix partner, and T-DOC version 17 has been verified as Citrix-Ready.
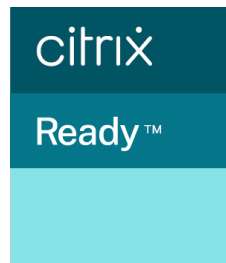
Instead of installing T-DOC applications on each individual PC, T-DOC can now be installed on a Citrix server providing powerful technology for running T-DOC remotely. The user can log into the secure Citrix application from any PC, accessing the same look and feel, individual user settings, and preferences as if logging into a locally installed T-DOC application.

Desktop virtualization brings several benefits. With T-DOC running on a Citrix server, you have taken an important step in raising the security level of your hospital IT infrastructure.

IT security and patient privacy are easier to safeguard with all desktops hosted in the same environment and in strict compliance with the highest regulatory standards. All T-DOC updates and upgrades can be performed centrally without the hassle of updating one workstation at a time. This set-up entails less complexity and PC maintenance, thereby reducing time spent and pressure on the hospital IT department. The life cycle of PCs is prolonged, which leads to reduced and more predictable costs.

Since most processing power and storage happens on the hospital's servers, even hospitals with older/under powered PCs can run T-DOC at optimal speed. Running T-DOC on a Citrix server enables staff to log-in to T-DOC from whichever PC with a Citrix application. The captured value is higher flexibility for the T-DOC user enabling a more efficient workflow.
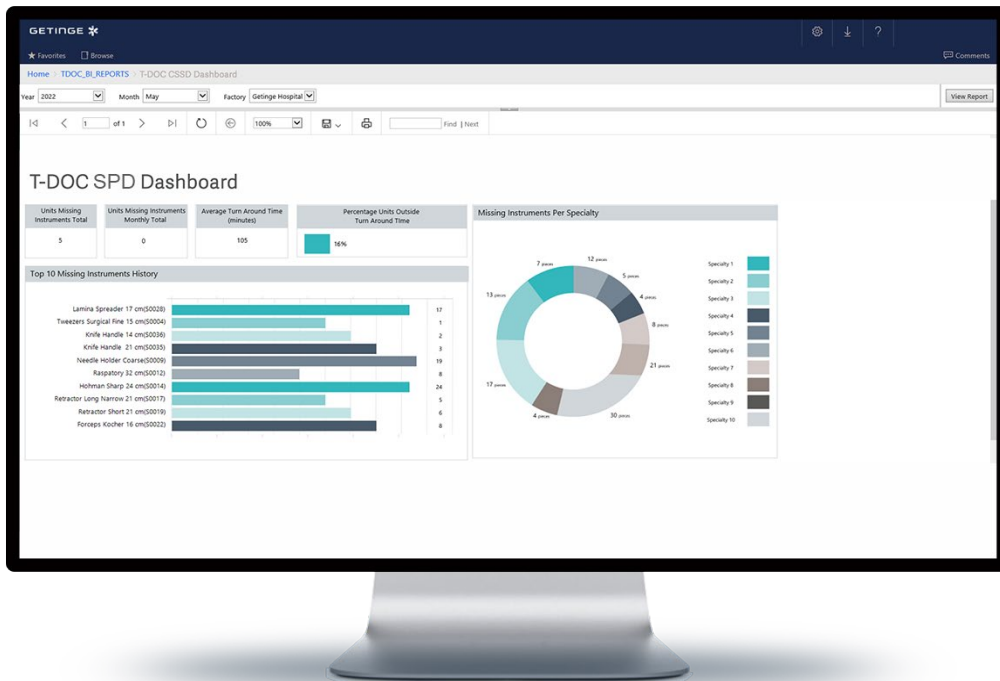
Meet and document KPIs with new T-DOC Dashboards

Optimize your resource utilization and meet quality objectives with the new T-DOC Dashboards. Via Business Intelligence capabilities in T-DOC, data can now be extracted in visual dashboards with tables, graphs, and charts. To benefit all our customers T-DOC Dashboards are based on core T-DOC data and accessible to all T-DOC customers in the web-based Microsoft Reporting Services.

T-DOC version 17 helps you address KPIs within three areas:

Instrument Turnaround Time

This dashboard provides insights on instrument turnaround time, both split per trays and single items and as a calculated average. The timing can be set per full production cycle and from one unit status to another, e.g., from Return to Dispatch.

Some SPDs have service level agreements with the receiving surgical departments which can include e.g., x% of goods should be delivered within a certain time frame. This dashboard can help ensure and document contractual obligations.

Machine Utilization

This dashboard shows the number of batches per machine split on program, thereby showing which machine is being used the most. Ensure equal use of machines to minimize tear, wear, and maintenance, and prolong the life cycle of your machines.

The dashboard also provides insights on load size per machine to indicate if the machine is filled up with goods or not, during reprocessing. This knowledge helps you implement an efficient workflow, achieve a more sustainable SPD, and increase throughput.

Missing Instruments

This dashboard provides a Top 10 of missing instruments. Knowing the most frequent type of missing instruments can provide useful insights on how to minimize the loss: e.g., better marking of instrument if missing instruments are very small. This insight could also entail investing in extra instruments of a certain type.

In addition, this dashboard can filter missing instruments per specialty. The documentation can serve as proof for invoicing purposes if the SPD wishes to charge the responsible department.
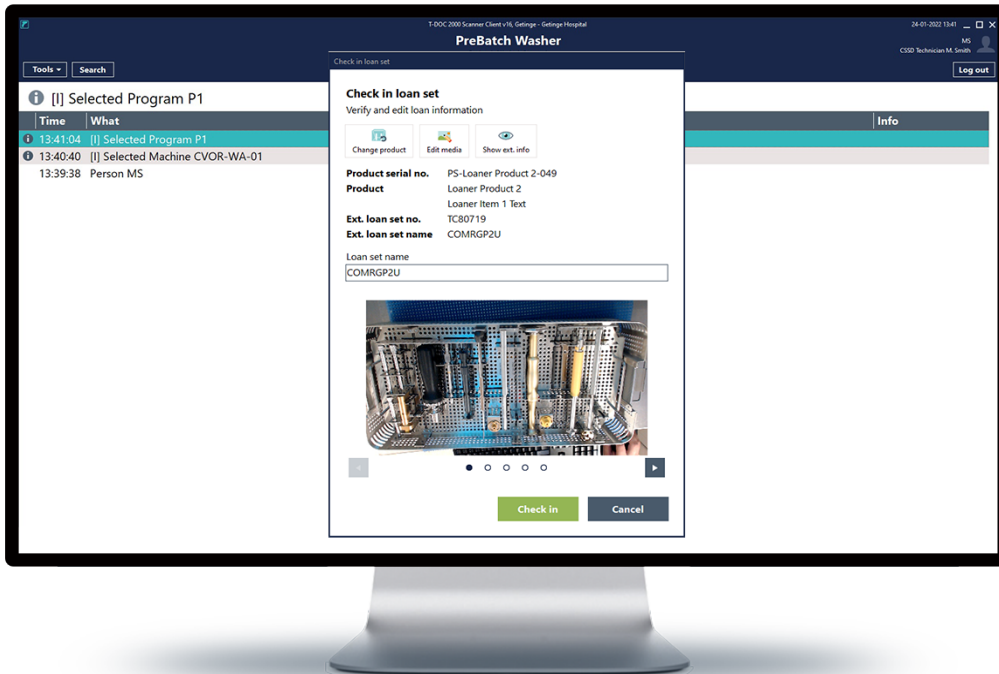
New T-DOC External Loaner Interface

Note that T-DOC, at current state, only interfaces with selected US loaner systems.

As surgical procedures are evolving and becoming more complex and specialized, so are the required surgical instruments. If this type of specialized surgery is not performed frequently, or there is a sudden increase in the number of surgeries, many hospitals choose to use loaner instruments rather than buying new instruments. With the new interface to loaner systems, T-DOC version 17 ensures documentation during reprocessing of loaner instruments.

When the loaner tray arrives at the hospital, it is checked-in in the external loaner system at the vendor kiosk. Vendor information such as images, ID, name, and barcode data are imported into T-DOC. If the loaner tray is new, staff needs to confirm and edit the data. If the tray has been loaned before, T-DOC can recognize the tray, and amendments may not be needed. A unit number is assigned, and the loaner product follows the same sterile flow as non-loaner products with documentation and complete traceability. After processing, T-DOC can export status data to the external system. When the tray is no longer used, it is checked-out at the vendor kiosk.

Trays that are often loaned or on consignment can be created with all associated data in T-DOC, so loaner products take full advantage of T-DOC functionalities equal to the hospitals' own instruments.

With loaner instruments, the SPD staff is required to handle and reprocess complex instruments they are not familiar with and still fulfill on-time delivery. T-DOC supports the user from start to finish with handling instructions such as triggers, e.g. with images showing assembly, special requirements for reprocessing, and the manufacturer's IFU (Instructions for Use). Human errors are minimized while being designed to enable enhanced patient safety.

As specialized instruments are often expensive, the T-DOC External Loaner Interface can bring value from a cost efficiency perspective, as purchasing costs can be kept at a minimum. Furthermore, all handling, registration and costs related to instrument repairs and maintenance are removed, which allows SPD staff to focus on other tasks.

T-DOC PDA App now available for Android devices

There has been a shift in technology platform of PDAs available in the market, moving from Windows to Android based software. To be able to support new PDA models, T-DOC follows the shift in technology and now supports Android based devices.

The T-DOC PDA App has been updated with new look and new icons. You can now enable PDAs to vibrate when scanning and displaying an error.

The T-DOC App supports the two new and modern Datalogic PDAs supplied by Getinge: The thin, lightweight, and pocketable Memor K and the resistant industry model Skorpio X5 with pistol grip option.

Refer to — T-DOC Scanner and Printer Specifications.

New Goods Delivery Status in the T-DOC Operation Interface

The Goods Delivery Status has been added to the T-DOC Operation Interface — T-DOC can now export delivery status of ordered goods to external systems such as OR scheduling and patient flow management systems. T-DOC informs if the goods are delivered and the actual status and location of the ordered goods. Using this functionality gives the OR staff a quick overview and reduces the need for searching for goods and contacting the SPD for delivery status.

The integration supports opening T-DOC Web directly and securely from the 3rd party system without having to perform an additional login. OR staff can thereby quickly order extra goods in T-DOC, if needed. If the surgery is re-scheduled, the delivery of all orders follows the new schedule, and the changes are reflected in the Goods Delivery Status.

The data exchange is available for any 3rd party system, including Torin, Getinge's OR management solution.
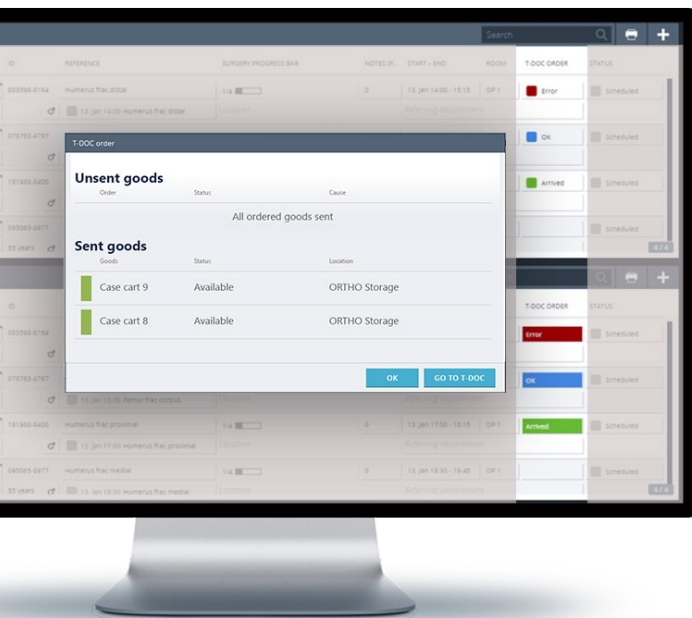
Easy add-on ordering in T-DOC Web

In T-DOC version 17, the surgical staff can now easily create add-on orders for a surgery in T-DOC Web. The add-on order is linked to the specific surgery, which means that any cancellation or rescheduling of that surgery will automatically impact delivery time of any add-on order. Surgical staff is assured that all orders will follow their respective scheduled surgeries no matter which changes might occur to the surgical schedule.
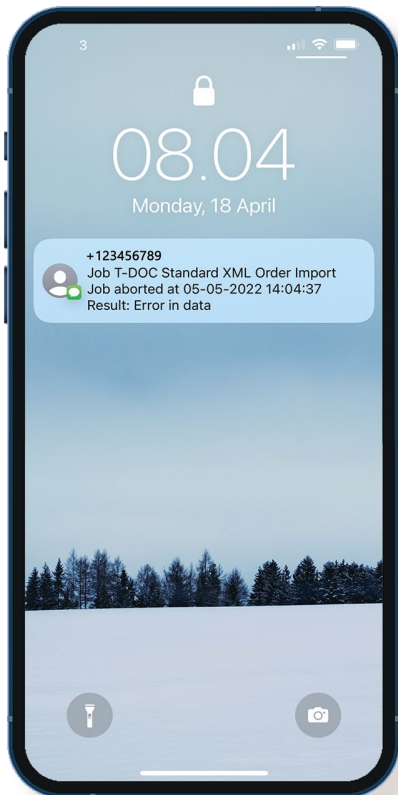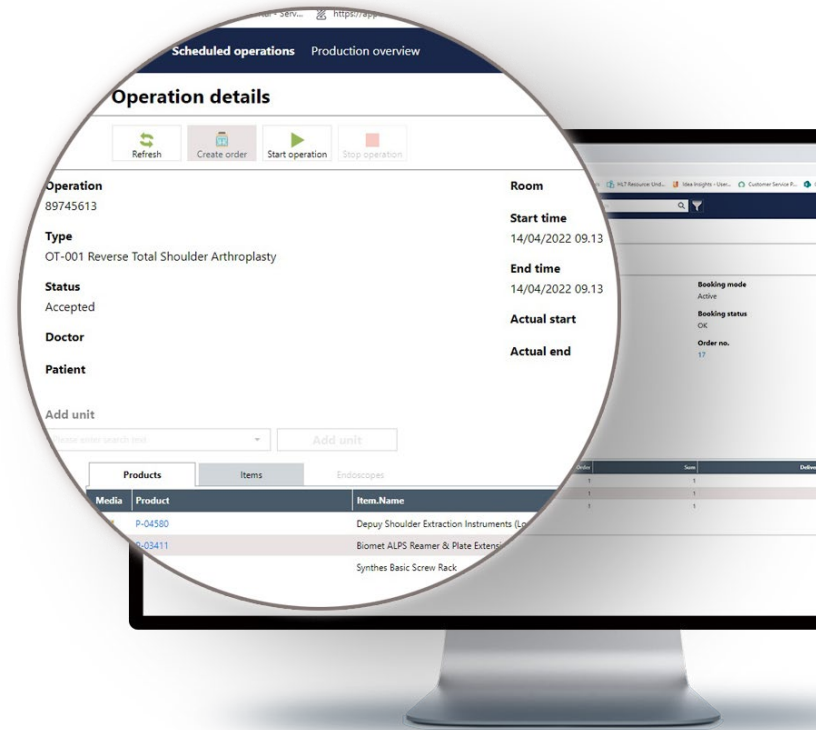
Ensure smooth data import with notifications

T-DOC customers with interfaces to 3rd party systems can now receive notifications when there are data-related issues with an import job or when the job has failed. For example, when a surgery is booked in the surgical scheduling solution, relevant surgery data is imported into T-DOC. If the data contains a procedure type that does not exist in T-DOC, staff may receive a notification and can accordingly create the relevant procedure type in T-DOC. Notifications can also be triggered if an import order is rejected by T-DOC, or by other technical issues preventing the import. Staff can thereby take immediate action to ensure a continuous data flow and on-time delivery.

New and updated T-DOC info overviews

T-DOC version 17 brings one new info overviews, and updates to three existing info overviews:

New T-DOC Distribution Info Overviews

T-DOC version 17 brings new info overviews: The T-DOC Distribution Info Overview. This overview provides SPD staff in the dispatch area with a clear overview on which goods should be dispatched to which customers and when the transport for the customer departs.

Updated T-DOC Item Exchange Info Overview

Items can now be moved from the T-DOC Item Exchange Info Overview directly in T-DOC CountAssure providing a more efficient workflow for the SPD staff.

Updated T-DOC Operation Info Overview

A new configuration option enables automatic removal of surgeries once the goods are delivered at the customer site. This provides porters with more simple and relevant information, only showing pending deliveries.

Updated T-DOC Fast Track Info Overview

The name of the Fast Track code/plan causing the Fast Track to be applied is now shown in the Fast Track Info Overview, which enables staff to see the reason for fast tracking.

T-DOC Info Overviews enhancements

T-DOC version 17 also brings general enhancements applicable for all info overviews.

Protection of personal and sensitive data in T-DOC info overviews has been strenghened even further. It is now possible to configure which types of info overviews are allowed in which positions. This can also be applied for specific info overviews.

Furthermore, tags can now be grouped in T-DOC info overviews for quick insight into how many tag types are located in a given area. Each case cart line can be unfolded to show the units and the summary line can be configured to show case carts, units, or trays.

Strengthened quality with Second Approval

To improve quality in the sterile supply workflow, a new functionality is now available in T-DOC: The Second Approval. T-DOC can require a second user to verify that a handling has been carried out successfully, which is applicable for packing and equipment processes.

When a user has approved a machine process or packing of a product, T-DOC can request verification from a second user. For training of new employees, this setting serves the purpose of extra security, keeping the human errors to a minimum. The second approval is beneficial in the handling of complex products that requires approval from a user with higher degree of experience and competence.

Values for product complexity and user complexity can be defined, and T-DOC will only prompt the user for a second approval whenever the product complexity exceeds a determined value, or if the user's maximum complexity is below the value. These flexible settings allow for a continuous adjustment of approval requirements as your needs change.
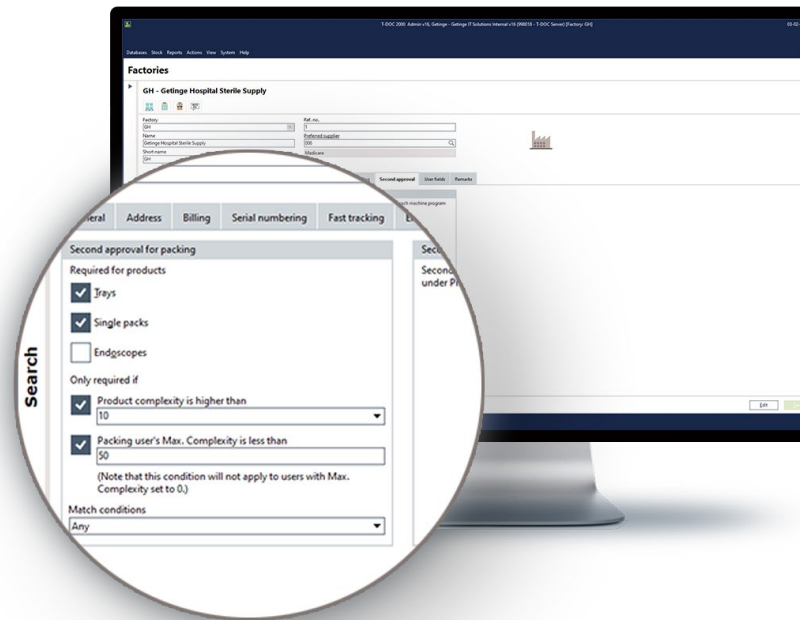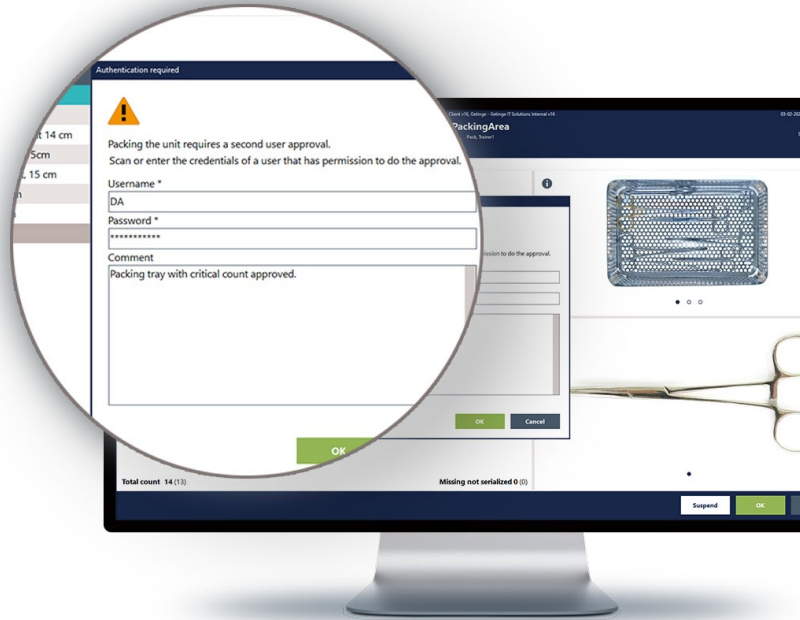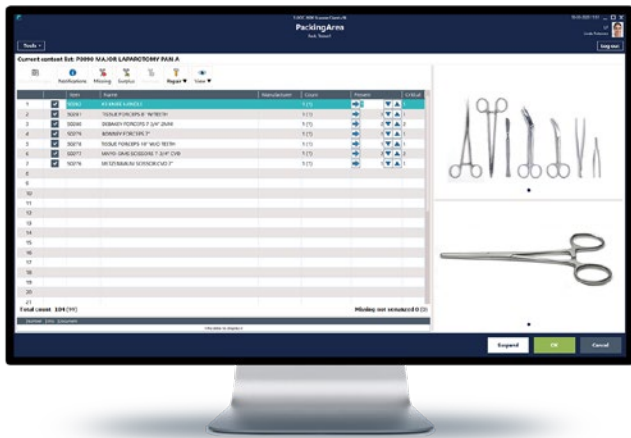
T-DOC CountAssure enhancements

In T-DOC version 17, it is now possible to define that the trigger should be displayed every time an item is scanned at an activity, e.g., every time it is scanned with a pack scanner.

With T-DOC version 17, a trigger on an item is now shown when the user is handling the specific item instead of being displayed before or after the T-DOC CountAssure window has opened. This enables the user to handle the trigger while handling the specific instrument supporting an efficient workflow, especially for hospitals utilizing unique device identification.

It is now possible to carry out a prefilled count in T-DOC CountAssure based on unit status. For example, if unused goods is returned for repack due to damaged wrapping, there is no need to count the items in the tray.

T-DOC Endo enhancements

T-DOC version 17 brings three new T-DOC Endo features:

Minimum drying time before transport

In T-DOC, it is now possible to define minimum drying time for endoscopes before they can be placed in a transport. This enables compliance with local and national regulations and is designed to promote patient safety.

Endoscope relocation

T-DOC supports moving endoscopes from one drying and storage cabinet to another without resetting expiry time. This flexibility is useful if the cabinets differ in terms of drying and storage capacity.

Transport timing

In T-DOC, you can now register that transport time has ended. You can also define maximum time from transport has ended until endoscope is used. This enables compliance with local and national regulations and is designed to promote patient safety.

New multi-site feature: change factory on a customer

With the new feature *Change Factory*, T-DOC version 17 brings great improvements for T-DOC Multi-Site customers. This is very useful when customers/departments are going to be supplied from a different factory on a permanent or temporary basis. It is now possible to quickly and safely move products, items, open orders and surgeries from one factory to another simply by choosing the primary factory for all your customer-bound data in T-DOC Admin. The risk of human errors is thereby minimized while saving time spent on administrative tasks.

Purchase order notifications

When creating a purchase order in T-DOC, automatic notifications can now be sent to the supplier including the specific purchase order details. Eliminating the manual process of creating and sending PDFs to the supplier saves times and supports a more efficient workflow for purchase order handling.

General improvements

- Support for Windows 11 and Windows Server 2022

- Search field is added under Actions allowing to easily search among the increasing number of actions

- "Other" is added as gender option for the patient

- Videos can now be played automatically in T-DOC Admin, T-DOC Web Client, and T-DOC Scanner Client

- Factory has been added as a parameter to the following reports: Production per day, Production per customer, Turnaround times by customer, and Turnaround times — detailed.

NOTE

Some of the mentioned functionalities may require a specific T-DOC module in the T-DOC license.

For more information, contact your local Getinge support or sales representative

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