



T-DOC version 17 Release

This document is intended to provide information to an international audience outside of the US.
SAL17545_01_US - T-DOC VERSION 17 RELEASE

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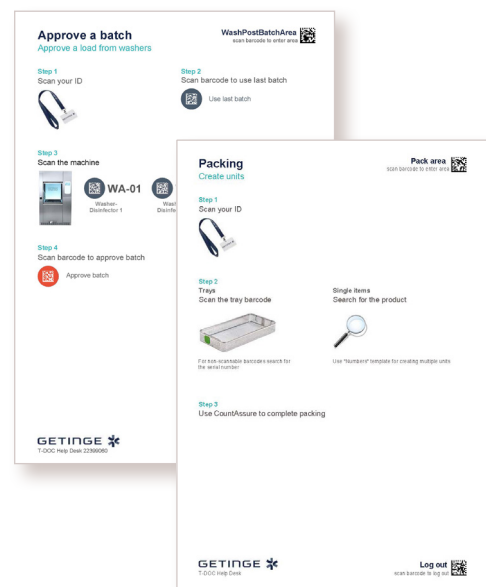
T-DOC version 17

With a complete user interface update, new system integrations, enhanced IT security and BI 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 usability. With T-DOC version 17, the user will now experience a streamlined expression throughout all areas of T-DOC: T-DOC Admin, T-DOC Scanner Client, T-DOC Web Client, icons, and all T-DOC info overviews.

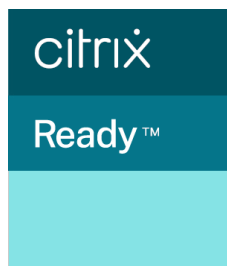
All barcode templates, pack lists, and delivery notes now have a new and fresh look. The barcode templates have a more intuitive and visual step-by-step user guidance with 2D codes. The templates are all flexible and can be configured to match the user's needs offering staff better support.





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.

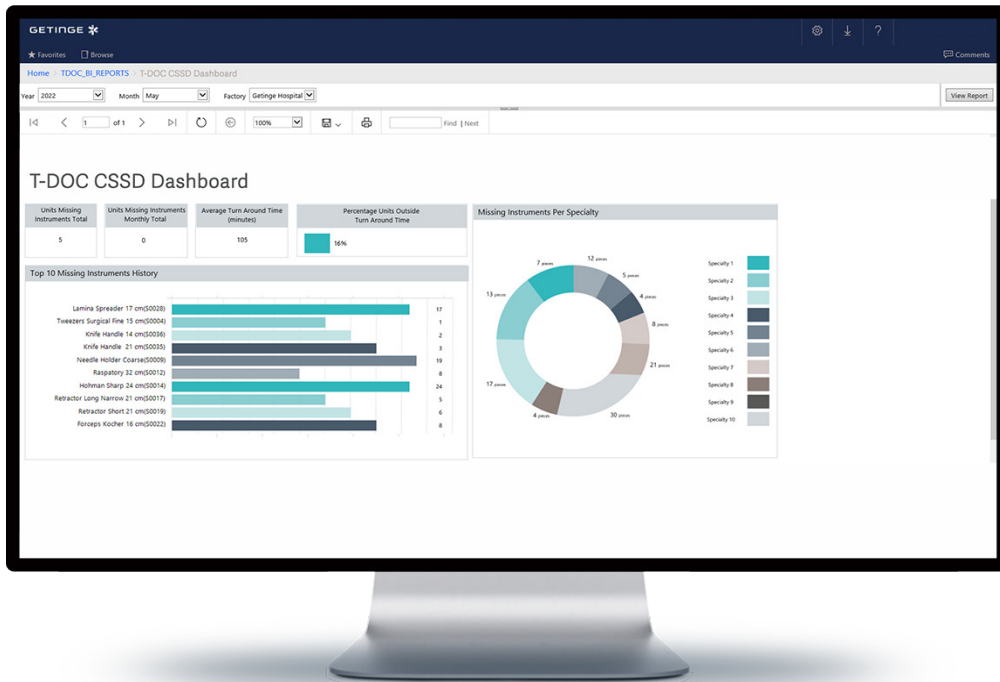


Instead of installing T-DOC applications on each individual PC, T-DOC can now be installed on a Citrix server providing powerful technology for running T-DOC remotely. The user can log into the secure Citrix application from any PC, accessing the same look and feel, individual user settings, and preferences 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 constraints on the hospital IT department. 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 unaffected 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 allowing for a more efficient workflow.



Meet and document KPIs with the 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 for 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 CSSDs 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.

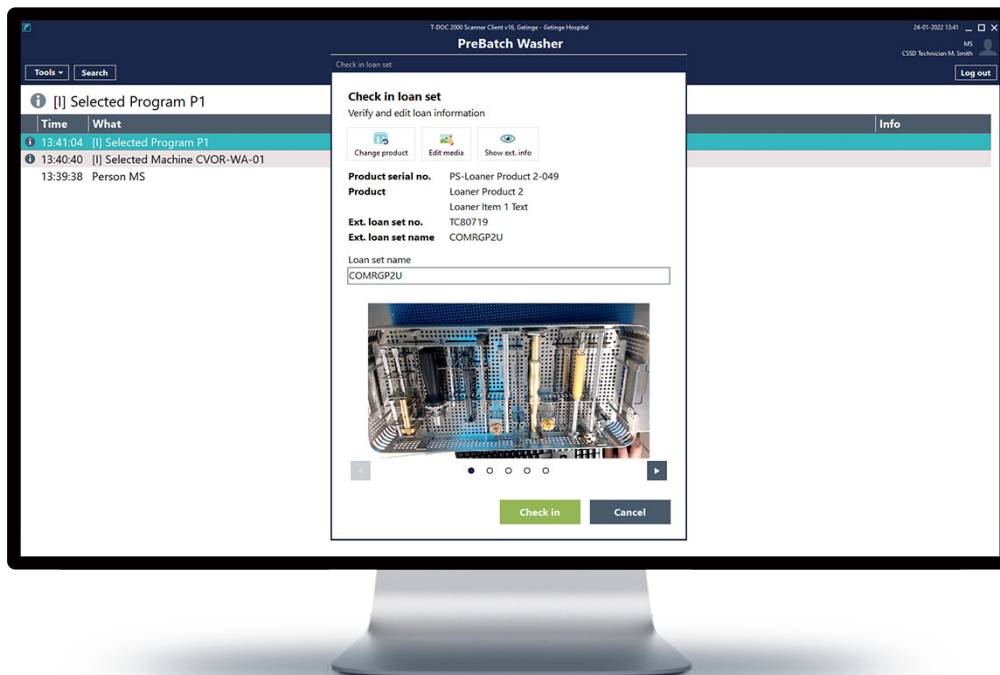
Machine Utilization

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 CSSD, 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 CSSD wishes to charge the responsible department.



New T-DOC External Loaner Interface

Note that T-DOC, for now, only interfaces with selected US loaner systems.

As surgical procedures are evolving and becoming more complex and specialized, so are the needed 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 are not 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 reprocessing, 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 CSSD staff is required to handle and reprocess, often complex, instruments they are not familiar with and still fulfill on-time delivery. T-DOC supports the user all the way 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 safeguarding 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 CSSD staff to focus on other tasks.

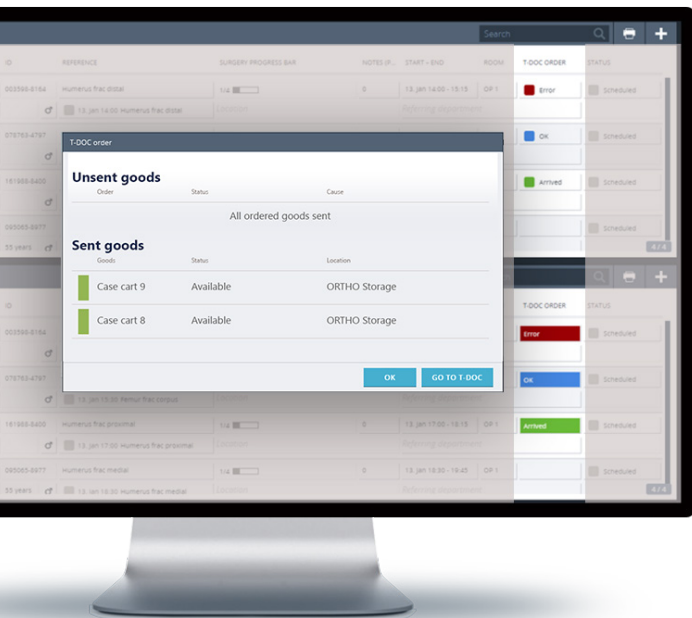
T-DOC PDA App now available for Android devices

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 SAL16135 – T-DOC Scanner and Printer Specifications.



The new Goods Delivery Status and direct link to T-DOC are now available in INSIGHT, Getinge's patient flow management solution.

New Goods Delivery Status in the T-DOC Operation Interface

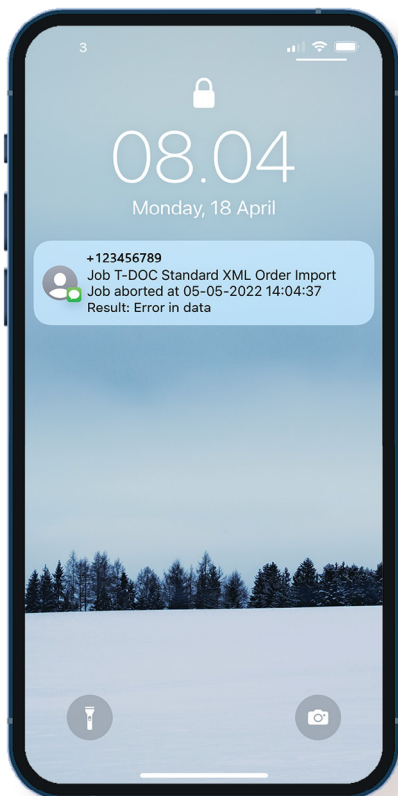
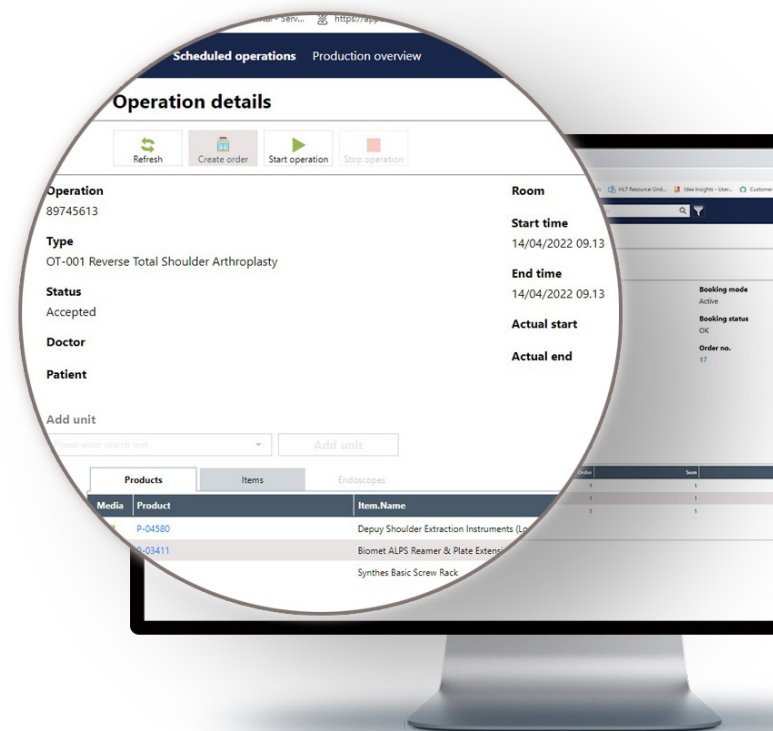
The Goods Delivery Status has been added to the T-DOC Operation Interface: T-DOC can now export delivery status of ordered goods to external systems such as OR scheduling and patient flow management systems. T-DOC informs if the goods are delivered, the actual status and location of the ordered goods. Using this functionality gives the OR staff a quick overview and reduces the need for searching for goods and contacting the CSSD 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 INSIGHT, Getinge's patient flow management solution and 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 entails that any cancellation or rescheduling of that surgery will automatically impact delivery time of any add-on order. Surgical staff is ensured 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 overview, and updates to three existing info overviews:

Departure time	Customer	Name	Unit count
Today			
10:00	Springfield Clinic	Springfield Clinic	5
16:00	GS	General Surgery	3
Tomorrow			
09:00	ORTHO	Orthopedic Dep.	2
N/A	ENT	Ear Nose Throat External Clinic	1

Surplus Items	Missing Items
<ul style="list-style-type: none"> 50002 Tweezers Surgical Fine 20 cm 50001 Tweezers Surgical 20 cm 50004 Tweezers Surgical Fine 15 cm 50003 Tweezers Surgical (Coarse) 15 cm 	<ul style="list-style-type: none"> 50001 Tweezers Surgical 20 cm 50005 Tweezers Anatomical 20 cm 50002 Tweezers Surgical Fine 20 cm 50007 Pince Adson Surgical 12 cm 50006 Tweezers Anatomical 15 cm

New T-DOC Distribution Info Overview

T-DOC version 17 brings a new info overview: The T-DOC Distribution Info Overview. This overview provides CSSD 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 CSSD staff.

Start time	Operation	Operation type Name	Customer Name	Location
OR 11				
02-05 20:26	89799879899	Reverse Total Shoulder Arthroplasty	Orthopedic Dep.	Arrived at OR
Goods				Location Name
Case cart 139				Arrived at OR
03-05 10:15	651651321	Knee Replacement	Orthopedic Dep.	In Transit
Goods				Location Name
Case cart 100				In Transit
Case cart 94				In Transit
04-05 11:22	65468423522	Knee Replacement	Orthopedic Dep.	Not dispatched
Goods				Location Name
Order 661918				Not dispatched
OR 12				
03-05 10:20	654651321856	Reverse Total Shoulder Arthroplasty	Orthopedic Dep.	Arrived at OR

Item#	Product	Product Item Name	Status	Location Name	FT Name
933304	54800	Handle, Dial Press Versimeter 4.34"	Packed	Packing	
933303	61219	Pin Cutter, Acromion Large Side	Packed	Packing	Pin To Dispatch
933309	4147	Ball, Total Hip	Packed	Packing	Pin To Dispatch
933308	4147	Ball, Total Hip	Packed	Packing	Pin To Dispatch
933302	P-51215	Methylene Intensity Cervical Phasix Implant Module	Packed	Packing	
933322	P-04206	SPA PKC TACKLE ITEM - DO NOT USE	Packed	Admin System	
933305	03381	Pin Cutter, Acromion Large Side	Packed	Packing	
933304	03381	Pin Cutter, Acromion Large Side	Packed	Packing	
933302	03381	Pin Cutter, Acromion Large Side	Packed	Packing	
933301	03381	Pin Cutter, Acromion Large Side	Packed	Packing	
933300	03381	Pin Cutter, Acromion Large Side	Packed	Packing	
933308	4147	Ball, Total Hip	Returned	Return	
933327	4147	Ball, Total Hip	Returned	Return	
933306	4147	Ball, Total Hip	Returned	Admin System	
933253	P-51003	Scooter, Mayo Curved 6" (Dupulient Speech Therapy)	Returned	Return	
933251	P-05500	Dropup Shoulder Extraction Instruments (Coater)	Packed	Packing	
933349	P-00104	Zimmer Nexgen Total Knee Tray	Returned	Admin System	
933348	P-00104	Zimmer Nexgen Total Knee Tray	Packed	Packing	
933347	P-00104	Zimmer Nexgen Total Knee Tray	Packed	Packing	
933346	P-00104	Zimmer Nexgen Total Knee Tray	Packed	Packing	
933341	P-57707	comp with Item serial	Packed	Admin System	
933335	P-57332	HALL SAW KEY (CWORD)	Returned	Return	
933329	P-57332	HALL SAW KEY (CWORD)	Returned	Return	
933308	8936785	TRAY LARGE ORTHO	Returned	PushBack Washer	
933323	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933322	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933321	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933320	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933319	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933318	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933317	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933316	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	
933315	83966185	HANDLE, BLUE GRANT KNEE (ARTHRO)	Packed	Packing	

Updated T-DOC Operation Info Overview

A new configuration option enables automatic removal of surgeries once the goods is delivered at 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 overview 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 strengthened 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.

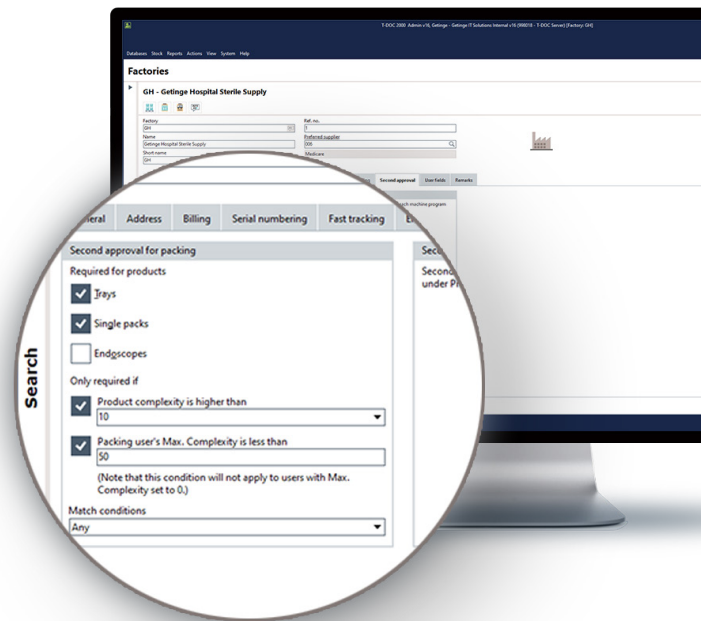
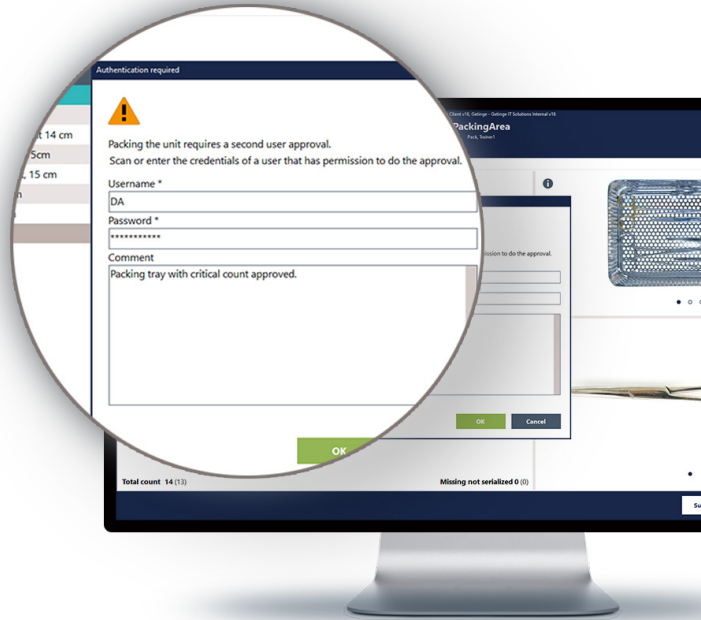
Furthermore, tags can now be grouped in T-DOC info overviews for quick insight into how many tag types are located in a given area. Each case cart line can be unfolded to show the units and the summary line can be configured to show case carts, units, or trays.

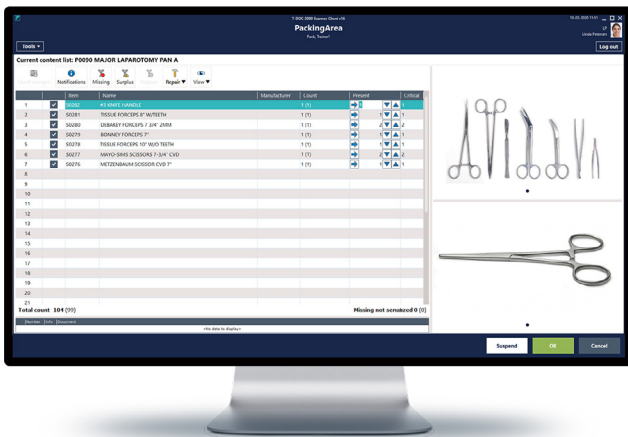
Strengthened quality with Second Approval

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 an 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 enforces 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 enforces 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.

Drivers

T-DOC continuously develops drivers for 3rd party reprocessing equipment to make T-DOC accessible for all hospitals no matter their equipment brand. In T-DOC version 17, 25 new machines have been added, i.e. new reprocessing equipment from ASP, Steris, Cantel, Tuttnauer, and Steelco. For more information, refer to *SAL13185 - T-DOC Supported Machine Controllers Overview*

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



With a firm belief that every person and community should have access to the best possible care, Getinge provides hospitals and life science institutions with products and solutions aiming to improve clinical results and optimize workflows. The offering includes products and solutions for intensive care, cardiovascular procedures, operating rooms, sterile reprocessing and life science. Getinge employs over 10,000 people worldwide and the products are sold in more than 135 countries.

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