



## T-DOC Solutions

Optimize your complete sterile workflow



# T-DOC

## Optimization where you need it most

T-DOC is part of our portfolio of solutions designed to support the entire sterile supply flow for instruments, endoscopes, pre-sterile goods and non-sterile goods. By ensuring the highest standards of safety and utilization, T-DOC allows staff to focus on what matters most — delivering quality care.

### **Optimize the sterile supply chain from staff and equipment utilization to instrument and stock management**

T-DOC ensures consistent quality outcomes and compliance by providing complete overview and traceability of all patient-to-instrument interactions. Through comprehensive measuring and reporting, T-DOC provides detailed, continuous information regarding the sterile supply workflow, so hospitals can better manage and plan both instrument reprocessing and staff utilization.

T-DOC is a scalable, best-in-class solution tailored to your hospital's specific needs, while reducing the risk of human error through greater process automation.



T-DOC is our top-of-the-line sterile supply management and traceability solution that brings complete overview and integration to the instrument supply chain for the highest standards of safety and utilization, enabling the best possible care for patients.



### **Simplify your sterile supply process**

T-DOC is an easy-to-use solution that improves, enforces and documents the processes within sterile supply management and the operating room. By identifying which instruments and trays to use first based on expiry date, T-DOC reduces time-consuming and costly re-sterilization. Its image and video driven instruction functionality supports accuracy and consistency in equipment treatment, packaging and distribution, which is especially important for new staff.

### **Deliver the right quality at the right time and place**

In any T-DOC-enhanced hospital, patients can feel confident about production quality and infection control adherence. T-DOC helps keep the risk of hospital-acquired infections to a minimum, and enables hospital staff to identify patients impacted by the unlikely event of a recall. And because it optimizes the entire sterile process, T-DOC ensures staff know exactly when and where to find required instruments, trays and disposables.



### **Integrated Workflow Solutions from Getinge**

Getinge offers a wide range of products, solutions and services that support you through the entire clinical pathway. Our goal is to help you provide excellent care without ever compromising on quality or safety.

T-DOC is part of our Integrated Workflow Solutions (IWS) offering. IWS brings you a safer, integrated and better utilized facility that supports greater consistency and efficiency, enabling healthcare professionals to focus on delivering the best possible care for patients.

# T-DOC 2000

## Our most comprehensive solution within sterile supply management

T-DOC supports the complete sterile supply workflow in your Central Sterile Supply Department (CSSD) and Surgical Departments.

### **Unsurpassed quality and safety**

With T-DOC you get full traceability of instruments, endoscopes, pre-sterile and non-sterile goods to ensure regulatory compliance and the highest levels of quality assurance and patient safety.

T-DOC also delivers complete process documentation from decontamination all the way to the patient, at both tray and instrument levels. By ensuring each important step in the reprocessing cycle is enforced, the system provides you with auditable and historical documentation for regulatory compliance. All records are electronic to ensure quick and accurate regulatory and audit documentation for internal hospital or regulatory use.

### **Optimize your sterile supply workflow**

An optimized workflow in a hospital is about utilizing resources efficiently when it comes to staffing, instrumentation, prioritization, inventory management and reprocessing equipment. T-DOC helps you fine-tune your sterile supply workflow by managing instruments, endoscopes, pre-sterile and non-sterile goods and delivering all articles on time — all while reducing costs and increasing patient safety.

With T-DOC, you can increase performance and throughput in your department by planning and prioritizing your production according to the surgery schedule. Because T-DOC manages each step in the reprocessing cycle, staff get instant access to valuable tools and automated inter-departmental communication. Above all, by significantly improving the workflow in the CSSD and operating rooms, T-DOC results in a safer patient experience.

### **Maximize your return on investment**

T-DOC directly impacts savings in the hospital's sterile supply department. It reduces the time spent searching for instruments and trays and managing non-conformance and quality issues. Furthermore, it reduces the number of manual processes and allows for the instant recall of goods. In the operating room, T-DOC reduces unnecessary delays due to missing instrumentation, unsterile goods and manual counting. It increases utilization with the accurate data needed for surgery planning and procedure costs.



# Delivering value through integration

T-DOC can be interfaced with hospital information systems, surgical scheduling systems, materials management systems and financial systems to provide a fully integrated, seamless and cost-effective solution. It is a simple way to save time and avoid the hassle of maintaining multiple systems.

## **Integration with surgical scheduling systems**

T-DOC interfaces with surgical scheduling systems to provide a clear picture of upcoming surgical cases, their procedures, preference cards, rooms and the needed goods. This saves the CSSD valuable time by enabling staff to pick case carts with the trays, instruments and supplies for a procedure's specific needs.

## **Integration with materials management systems**

While picking case carts, stocks that are automatically depleted can be replenished through an interface to the

materials management systems. This interface reorders goods, manages backorders, and updates vendor and item changes.

## **Integration with finance systems**

Interfacing with your hospital's finance system provides financial data about the reprocessing of goods for operating rooms. It can also determine the cost per procedure for analysis along with costs associated with repair and maintenance, delivery to external locations and the general management of the department.

Because T-DOC tracks washing, packing, sterilization, handling and instrumentation costs, plus the cost of prioritization and inventory, it can provide a true picture of the cost of sterile supply production for any hospital.

# Automatic prioritization for workflow optimization

T-DOC monitors single and multi-site sterile reprocessing and automatically prioritizes trays needed for surgical procedures.

## Prioritize the surgery schedule

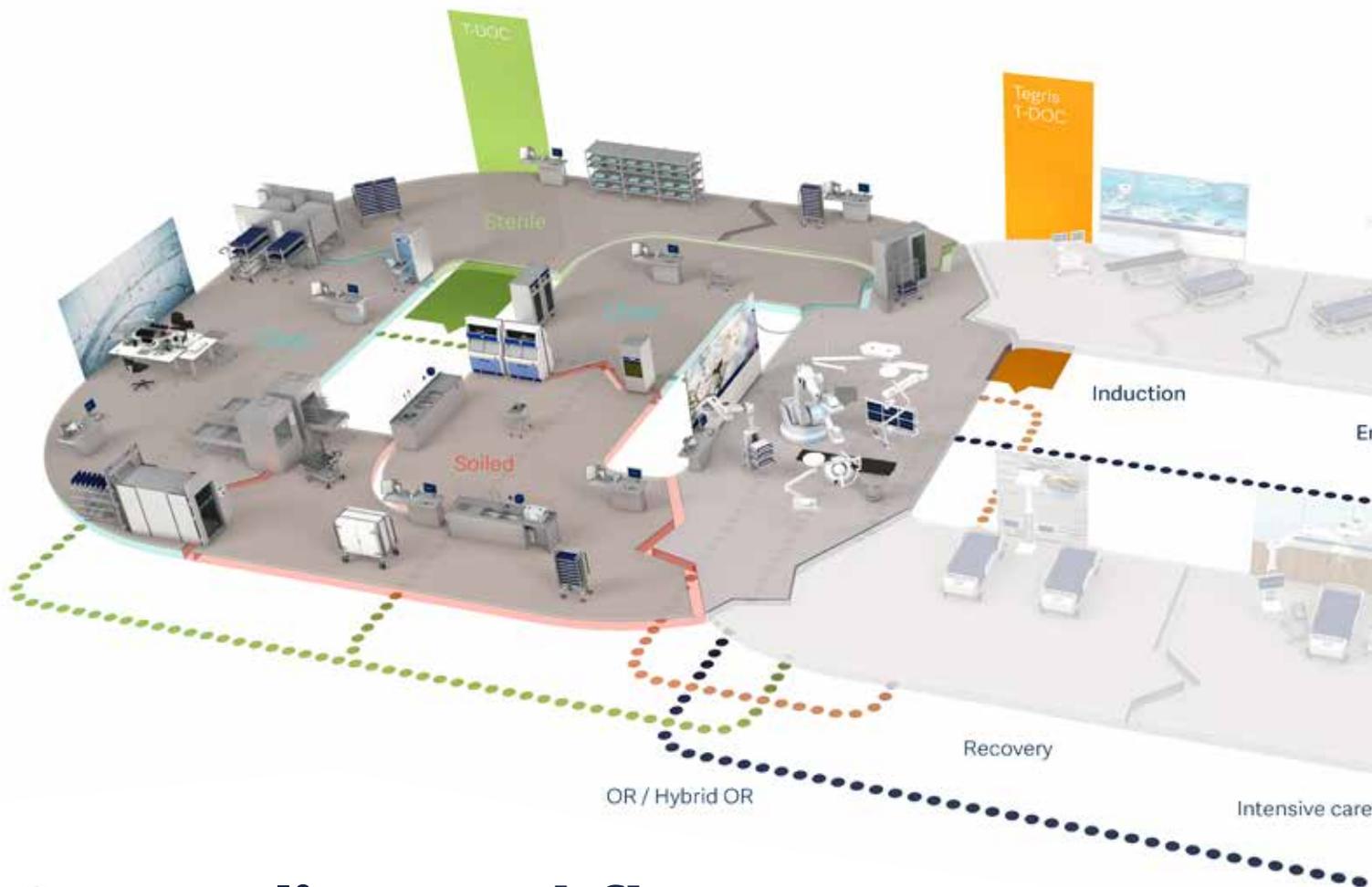
Knowing where all trays and instruments are, along with the surgery schedule, enables T-DOC to prevent costly operating room delays by determining the items to be reprocessed with a priority status. Dashboard-style monitoring allows for updated and immediate identification of requested goods, and customization gives each department the data it needs.

With centralized information, even in multi-site setups, management can visualize the complete workflow and better manage expensive and critical instrumentation. This leads to greater availability of your inventory and a more efficient and optimized workflow.

## Track your production costs

Because T-DOC tracks the actual production cost related to a prioritized tray, the cost of prioritization is always transparent. This helps you determine whether additional inventory is needed or whether a better workflow can resolve potentially unnecessary instrument reprocessing.





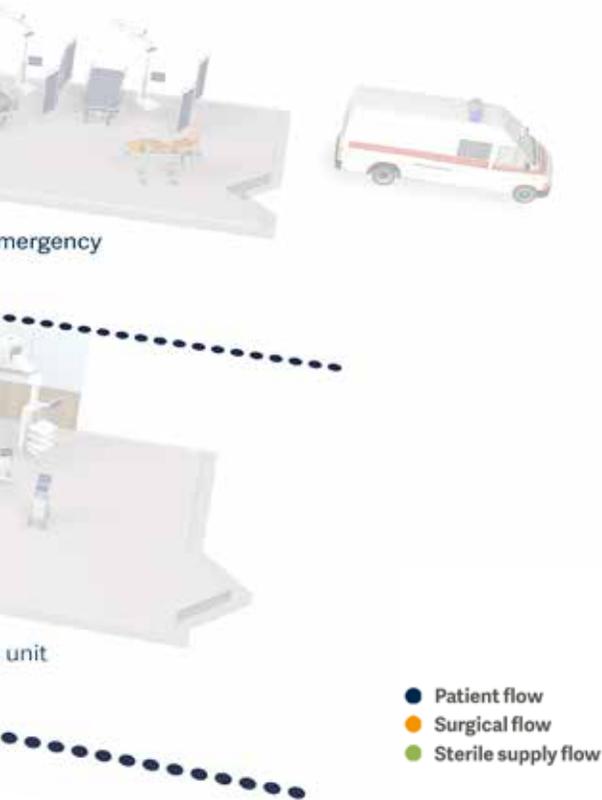
# Streamline workflows

## with T-DOC

The sterile supply flow is a complex journey involving many different stakeholders and functions across the entire hospital.

The hospital workflow illustration highlights how T-DOC optimizes sterile reprocessing by tracking sterile supplies as they travel through decontamination, packing, sterilization, storage, dispatch and use on a patient. In the operating room, T-DOC further enhances patient safety by documenting used instrumentation and pre-sterile goods and providing accurate and auditable electronic records. Each day, staff handle many instruments and trays as they undergo specific processes established to ensure safety during handling and sterility during surgery. Instead of manual records, all interactions are electronically stored and often shared across the hospital IT infrastructure with patient, materials management and finance systems.

Planning for surgery requires knowledge of instrumentation, supplies and staffing, but also the doctor, procedure, room and patient preferences. Additionally, information on subsequent surgeries and their needs is essential for ensuring an efficient workflow throughout the sterile reprocessing and operating rooms. T-DOC provides this knowledge in real time while maximizing the available inventory and providing flexibility for operating room scheduling. Capturing and sharing this information allows management to determine the best initiatives for increased accountability, reduced human error and maximized operating room uptime.



# Optimize your facility

## with IWS integration

Our suite of Integrated Workflow Solutions helps you maximize resource utilization and establish better workflows.

### Tegris

Tegris is our operating room integration system that delivers a simpler, safer and more streamlined working environment, enabling OR staff to focus on the best possible care for patients. Tegris unites video routing, recording and transmission, data management, device operation and more in a single, user-friendly interface that enables hospitals to increase efficiency, enhance safety and create seamless workflows.

### Getinge Online

Getinge Online is the enabler of Getinge Services that ensures the highest performance and availability of your Getinge equipment along with access to valuable information via your personal web portal. No matter where you are, Getinge Online makes sure you stay connected with unprecedented access to Getinge equipment information. With instant notifications of changes in equipment status, Getinge Online lets you take the necessary actions to ensure your facility is always prepared to meet the needs of patients.



# Communicate

## between departments

T-DOC provides automatic and direct messaging across hospital departments and among staff.

### **Immediate and critical notifications**

T-DOC provides immediate notification of canceled surgical procedures, assembled trays with missing instruments, missed steps in the reprocessing cycle, and other critical information through automated messages in the form of emails, texts and on-screen alerts. The system lets you give priority to important messages and allows you to include message confirmations. Manually generated messages can also be scheduled in advance and all messages are historically accessible for each user.

### **Intercom communication**

In T-DOC, staff can speak directly to another staff member through their T-DOC client's built-in intercom. This promotes communication between different areas within the Central Sterile Supply Department while limiting unnecessary noise and disruptions in the workflow.

# Track

## single instruments

T-DOC fully supports tracking instruments and implants at the individual level using 2D and RFID technology.

### Track instruments to the patient

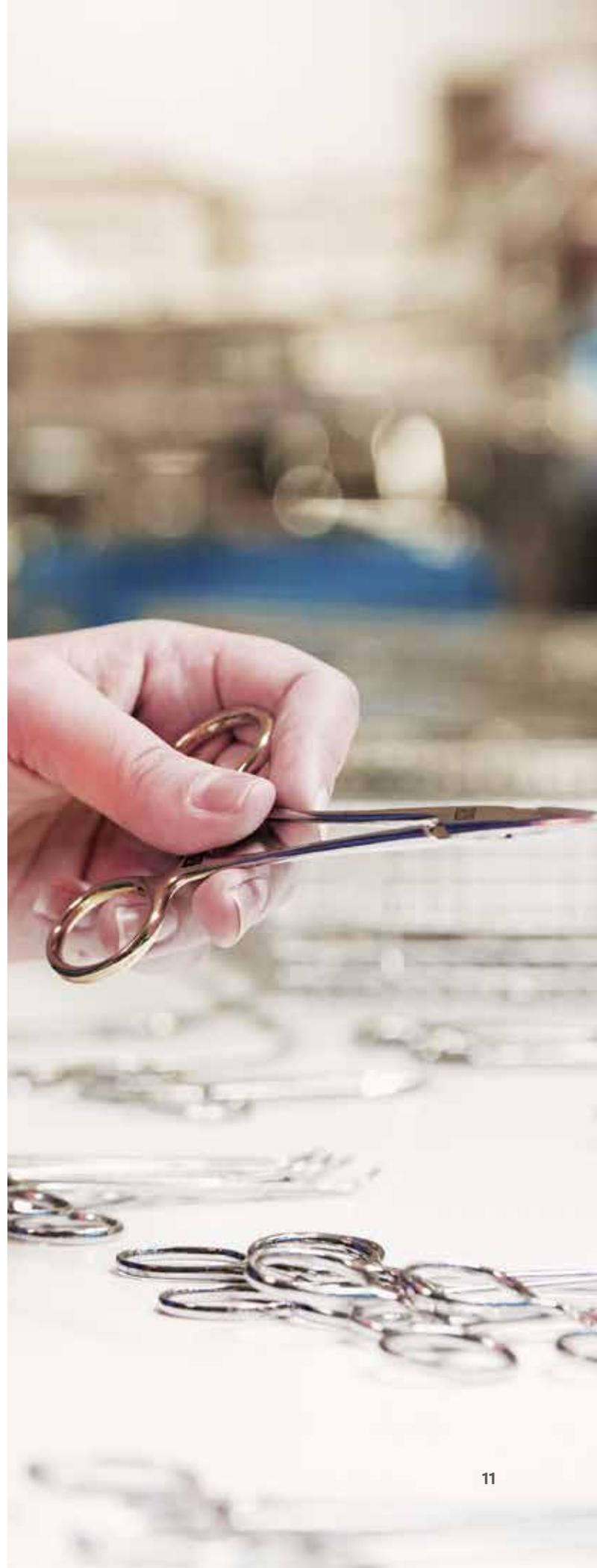
In T-DOC, single instruments and implants are tracked, either separately or as part of a tray, and linked directly to the patient. In cases where a recall is initiated, a complete historical record is available for each affected item, including the trays it was contained in and all reprocessing information.

A single instrument's history can also be used to track all the patients affected by an instrument. While instruments are flexible and can move across multiple trays, their movement is automatically tracked and documented using T-DOC.

### Usage, maintenance and repair

T-DOC is compatible with a wide range of marking technologies, such as RFID and on-instrument marking, for unique identification of instruments. Single instrument tracking increases the visibility of your hospital's inventory as items are marked and valued. The unique instrument usage, maintenance and repair history provides the necessary data for leveraging contract negotiations.

T-DOC also provides staff with all instructions, images, video and other multimedia files that can assist in properly and accurately reprocessing each unique item. This reduces training time for new staff and assists with difficult and complex instrumentation.





# Substitutions

## and preference lists

T-DOC ensures high flexibility when assembling trays, filling customer orders, and updating surgical preference lists.

### Identical or alternative substitutes

When assembling trays, staff are provided pre-determined options for items that are not immediately available. These include identical items that can easily be substituted and also alternative items that staff might not realize can be utilized. This allows for a greater completion rate and increases the availability of trays. Selected identical or alternative substitutes are documented and provided to staff throughout the production process.

### Surgical preference lists

Staff picking case carts can also solve the challenges of spare inventory by using T-DOC's article substitution feature. This ensures better completion of case carts and prevents potential operating room delays. Because surgical preference lists are constantly updated with instrument changes, substitutions can be used for operations, procedures, doctors, patient categories, customers and room preferences. This wide range of options gives you maximum flexibility when it comes to inventory utilization and optimization.

# T-DOC Endo

## Optimize your endoscope reprocessing workflow

The complex nature of endoscope reprocessing and handling places high demands on their cleaning, storage and transportation. Adding to the complexity, endoscopes involve an increased risk of cross-contamination when compared with instruments.

T-DOC gives you the tools to overcome these challenges. T-DOC ensures the correct handling of endoscopes, supporting you in complying with national and international regulations and thereby increasing patient safety. By managing and documenting the complex handling and reprocessing specifications of your endoscopes, T-DOC ensures accurate work procedures and gives you a complete overview of your endoscope stock.

### Quality assurance in the endoscope reprocessing workflow

T-DOC tracks endoscopes from the endoscopy unit to the procedure room and on to the patient. The system provides a documented record that all endoscopes are

disinfected correctly and in accordance with your hospital's required processes as well as local, national and international regulatory standards. The system facilitates compliance with national standards such as endoscope expiry time requirement and handling specifications.

With numerous options for reporting and statistics, T-DOC also ensures you can base your procedures on best practices and actual data — not on assumptions.

### Handling endoscope complexity

Detailed reprocessing instructions are needed to appropriately and effectively reprocess today's high value and highly complex endoscopes. T-DOC minimizes potential damage and increases utilization by ensuring endoscopes and other equipment are used in accordance with the manufacturer's reprocessing instructions.

The intuitive user interface keeps human errors to an absolute minimum by offering clear guidance at each location and ensuring that selected handling steps and endoscope procedures are followed.

### Return on investment

T-DOC directly impacts savings within an endoscopy unit by maximizing endoscope utilization, tracking costly endoscope repairs, managing non-conformance and quality issues, reducing manual processes and ensuring endoscopes are reprocessed in appropriate cycles to prevent damage to these valuable assets.



# Full traceability

## for all endoscopes

### Track all unique endoscope processes

In T-DOC, endoscopes linked to a patient can be tracked reliably to the actual endoscope used, the unique endoscope components, the unique automated endoscope reprocessor and process, and storage cabinets. T-DOC documents essential details such as detergents and cleaning equipment that are used on endoscopes. It also links endoscopes to all staff handling goods, maintenance and repairs.

### Easy location of historical data

With T-DOC, each endoscope includes a historical record of how the endoscope was reprocessed prior to reaching the patient. Importantly, if any steps were skipped, or any processes failed, staff are immediately alerted and a recall can be initiated.

### Minimize expired endoscopes

T-DOC provides a complete overview of endoscopes' expiry times and assigns pre-defined expire time rules to groups or single endoscopes. Expiry times can be calculated for all endoscopes based on their type of handling, cleaning, transport and storage. T-DOC facilitates compliance with local and national standards regarding maximum time intervals, for example, between disinfection, the drying process and the actual use on a patient.

### Customized processing points

The T-DOC process allows for the automatic documentation of customized reprocessing points specific to each endoscopy unit. Endoscopes can be tracked to, for example, a centralized endoscopy unit, automated endoscope reproducers, drying cabinets and patients. They can also be tracked in a decentralized way at each specialty procedure room, or transported across multiple sites. T-DOC calculates the movement of each endoscope to ensure that it has not expired prior to use on a patient, and further provides staff the necessary data to better utilize inventory and reduce reprocessing costs.

### Configurable information overviews

The drying cabinet info overview in T-DOC gives you quick insight into the location and expiry times of all endoscopes

in the drying and storage cabinets. It supports first-in-first-out principles and enables departments to optimize the usage of available endoscopes.

Endoscopes located in the drying and storage cabinets can be filtered according to your own criteria, such as types of endoscopes or predefined timing rules. The views are accessible from treatment rooms, enabling nurses to identify available endoscopes.

### Ensure correct handling of endoscopes

T-DOC lets you define endoscope handling steps for workflow optimization and quality assurance purposes. Assigning different handling types to your endoscopes reduces the risk of human error and ensures that each endoscope is reprocessed according to its specific needs.

Simple handling steps using images, sound and/or video enable staff to perform accurate disassembly, manual cleaning and checking of endoscopes. The intuitive touch screen interface provides guidance at each location and eliminates the need for a scanner.

### Full repair registration

A simple scan registers repairs, along with all vendor and compliance information, at various reprocessing points. This allows you to track which endoscopes were repaired, where and when the repair took place, and what procedures were used. With T-DOC, you get a detailed overview of repairs and are better able to document and manage the exact costs associated with high value endoscope production.

### Optimize contracts with repair vendors

Because all repair movements are registered, T-DOC allows you to generate statistics on the number and costs of repairs from all vendors. The next time contracts are negotiated, these statistics will allow you to make fair and favorable demands, which can help you minimize repair expenses.



## Benefit from a long-term strategic partnership

Through Getinge, you are assured high availability of setup and technical support, close ongoing collaboration, integration with existing IT infrastructure, and proven success through references.

### Everything you need for success

At Getinge, our goal is to help you achieve the optimal hospital workflow and the best possible conditions for success with your IWS solution. Through every phase of project planning, system architecture, installation and implementation — and even during the daily workflow — we are here for you. IWS offer clear guidance to help ensure your success with the optimal workflow and architecture of your IWS solution.

### IWS support whenever you need it

We believe maintaining the relationships developed with our customers during implementation is important to your ongoing success with IWS. Our support team members ensure you get the ongoing support, upgrades, updates and technical guidance you need, whenever you need it.



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MCV00093031 REVA  
EXP06/21