

Specialists in endoscope reprocessing since 1984!



EndoXpert[®] Manager

Data-powered confidence in every cycle

WASSENBURG
medical

In endoscopy departments, infection prevention and efficiency have the highest priority. Every reprocessing cycle must meet the highest hygiene standards while keeping workflows smooth. Healthcare-associated infections affect millions of patients globally, with up to 1 in 10 hospitalized patients acquiring an infection^{1,2}. Safety starts with infection prevention - powered by smart data management.

Data-powered confidence in every cycle

EndoXpert® Manager is an advanced data management platform that registers, organizes and secures all critical process data related to the cycle of endoscope reprocessing within the endoscopy department, storing it in such a way that ensures instant accessibility for analysis and traceability needs.

EndoXpert Manager is designed for those who require precision, transparency and compliance. It combines a modern, intuitive interface to streamline workflows and reduce complexity with advanced security and full compatibility across Wassenburg equipment.

With real-time statistics, process graphs, and External Protocol support, EndoXpert Manager provides the data-driven insights required to minimize risks, ensure traceability, and meet international security standards. Built-in proactive maintenance tools and future-ready updates keep the operations efficient and deliver peace of mind.

EndoXpert Manager - when safety, compliance and efficiency matter most

Key features



Compatibility with all Wassenburg® equipment



Integration with Hospital Information Systems (HIS) and third-party software applications



Continuous improvement with regular updates



Statistics & Washing - Disinfection process graphs (Figure 1 & 2)



Modern user interface



Digital printer ticket



Service Tool for configuration



Enhanced security:

- Input validation
- OAuth support for External Protocol
- Https communication
- Secure login access

EndoXpert® Manager with adaptive licensing

The EndoXpert Manager includes digital printer ticket functionality for seamless documentation. Upgrading to the Advanced license delivers in-depth statistical and graphical insights, enabling deeper analysis of washer-disinfector. For improved process integration, adding the External Protocol allows EndoXpert Manager to seamlessly connect with hospital information systems or other third-party software applications, supporting efficient workflows and data-driven decision-making.

Understand your entire operation through data

With EndoXpert Manager, you can gain instant access to washer-disinfector, endoscope and operator statistics. By downloading and analyzing the data you can easily understand where performance is strong and where attention is needed. This allows an administrator to:

- Spot unusual behavior
- Track utilization levels
- Compare Historical Data
- Optimize Resource Usage



	EndoXpert Manager	EndoXpert Manager Advanced	EndoXpert Manager Advanced with external protocol
Digital printer ticket	✓	✓	✓
Service Tool	✓	✓	✓
Washer-Disinfector statistics		✓	✓
Washer-Disinfector process graph		✓	✓
Integration with Hospital Information Systems			✓



Washer-Disinfector statistics

Total number of completed cycles

Measures the overall usage of the washer-disinfector.

Cycle success rate

Number of successful and unsuccessful cycles for the washer-disinfector.

Frequently used programs

Tracks program usage trends for operational insights.

Number of endoscopes reprocessed

Indicates relation between washer-disinfector and the endoscope.

Amount and type of alarms per washer-disinfector

With the indication of the number of cycles per specific alarm.

Consumable status

An overview of the usage of consumables.

Endoscope statistics

Total number of completed cycles per endoscope

Measures how often each endoscope is reprocessed.

Cycle success rate

Number of successful and unsuccessful cycles for the endoscope.

Utilization of washer-disinfectors per endoscope

Tracks which washer-disinfectors were used for reprocessing the endoscope.

Amount and type of alarms per endoscope

With the indication of the number of cycles for per specific alarm.

Operator involvement per endoscope

Identifies which operators started the cycles for the endoscope and their frequency.

Operator statistics

Total number of cycles the operator involved

How many cycles the operator has loaded/unloaded an endoscope for each washer-disinfector.

Success rate of the cycles from operator perspective

How many successful/unsuccessful cycles the operator has been involved in for each washer-disinfector.



Date	2025-12-23	
Machine number	502-000208	
Start date	2025-12-10	
End date	2025-12-23	
Dis (WD4200)		
Total amount of processes		1
Total amount of successful processes		1
Total amount of unsuccessful processes		0
Wash-Dis (WD4200)		
Total amount of processes		1
Total amount of successful processes		0
Total amount of unsuccessful processes		1
Processed endoscope ID (serial)		
EMPTY (EMPTY)		2
Alarms	Amount of alarms	Unique processes
RFID test tag detected.	6	2
Thermal self-disinfection with Endocap filter in basin is recommended.	2	2
Endoscope(s) not processed.	1	1
Totals	9	5
Bacterial filter		
Date of first use (current)	2025-12-18	
Type of the filter	EndoCap III	
Amount of filters used (excluding current)		1
Amount of self-disinfection cycles		1
Disinfectant		
Date of first use (current)	2025-12-18	
Brand name	EndoHigh® PAA	
Amount of canisters used (excluding current)		0

Figure 1. Washer-Disinfector statistics

Visualization of washer-disinfector performance in a process graph

EndoXpert Manager provides an insightful graphical view that shows how the washer-disinfector performs throughout each cycle (Figure 2). By visualizing key parameters, such as temperature and pressure, and their trends and deviations for each stage of the cycle, Field Service Engineers can quickly gain insight into the process and the relationship between the washer-disinfector and the cycle.

These insights support:

- Fast root cause analysis
- Proactive maintenance
- Process optimization

Service Tool for configuration

EndoXpert Manager comes with dedicated service application installed on the server, empowering service engineers to keep EndoXpert Manager secure, optimized, and operational. These tools enable:

- **Language configuration**
Choose your language
- **Hostname management**
Adjust network identity with ease
- **SSL/TLS Certificate installation**
Ensure secure communication
- **Data migration**
Smooth transition from Process Reporter
- **Troubleshooting data collection**
Faster root cause analysis

Designed to empower service teams, these tools simplify maintenance, uphold compliance, and minimize operational interruptions.

Integration with Hospital Information Systems

External Protocol enables hospitals to securely establish a connection between EndoXpert Manager and Hospital Information Systems (HIS) or other third-party software applications. This protocol allows key information such as the brand, model, serial number and the status of the endoscope; user and specialist details; and reports of requested processes to be shared.

Integration allows clinical and technical teams to rely on a single, consistent source of information, thereby improving coordination between departments.

By aligning endoscope status with hospital workflow:

- The current status of each endoscope is visible directly within the software application that staff already uses.
- Clinical, CSSD, and technical teams see the same information at the same time without the need for phone calls or manual checks.
- Scheduling, procedure planning, and reprocessing activities reflect the real-time status of each endoscope.
- Delays or exceptions are identified early, before they could impact procedures.





References

1. World Health Organization. (2024, November 29). Global report on infection prevention and control. WHO. <https://www.who.int/publications/i/item/9789240103986>
2. World Health Organization. (2024). Key facts and figures on healthcare-associated infections. Retrieved from <https://www.who.int/campaigns/world-hand-hygiene-day/key-facts-and-figures>



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