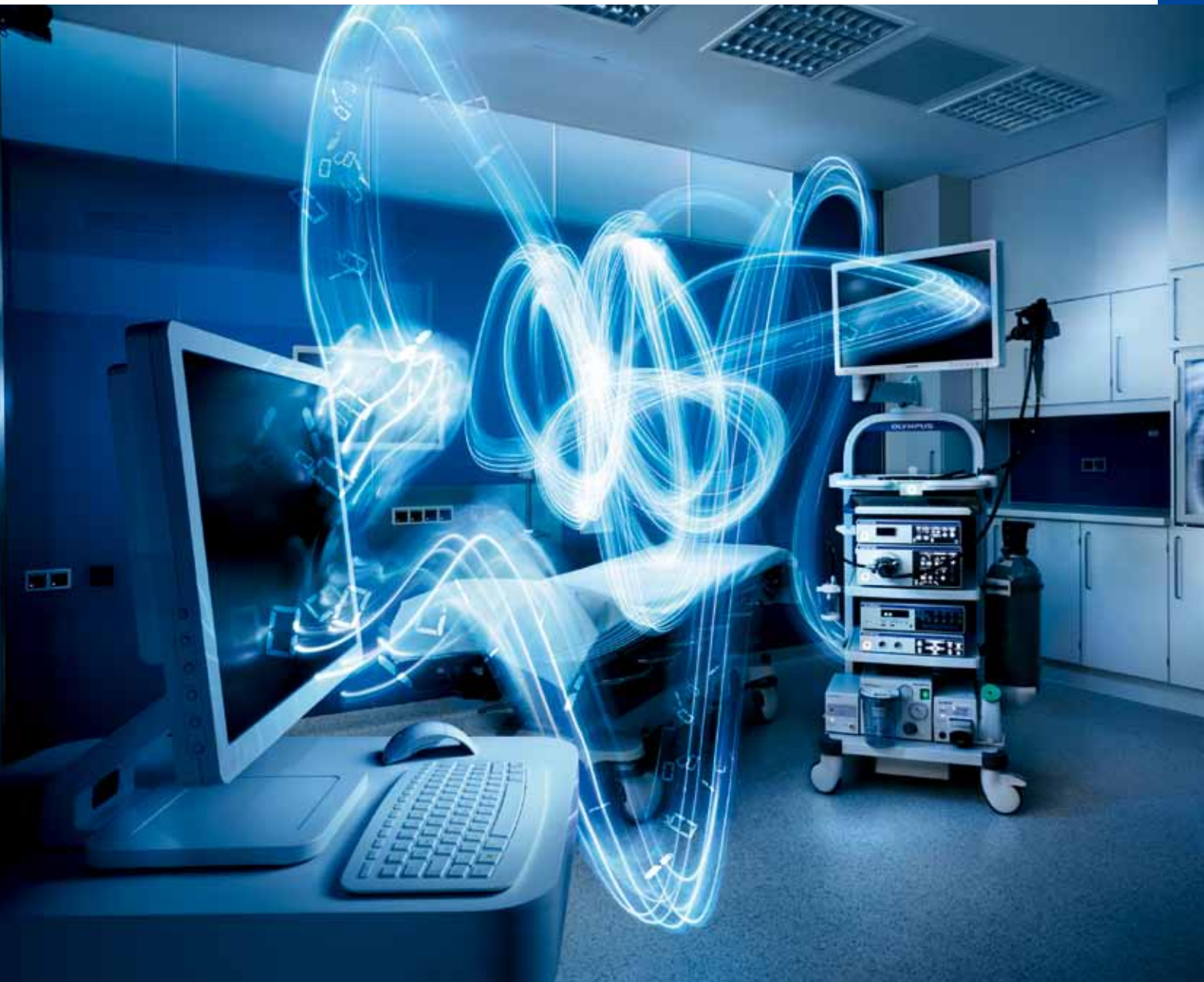


Reprocessing Management Module

A comprehensive reprocessing data management system for the OER-Pro



Advancing the Art of Intelligent Networking by Unifying Reprocessing-Related Activities.

Today, the ability to accurately record and quickly access reprocessing data is essential for the safe operation of any endoscopy suite. The Olympus Reprocessing Management Module (RMM) is an intelligent data management system that interfaces with the Olympus OER-Pro¹ endoscope reprocessor to unify your facility's reprocessing-related activities.

With centralized reprocessing records and network connectivity, the RMM can simplify and consolidate your records to mitigate infection control risks and keep your documentation compliant with industry standards². It can also automate data capture to minimize manual entry errors while optimizing operational efficiencies by tracking usage of your AERs, endoscopes, and consumables³.



¹ The RRM system also can be used with other automated endoscope reprocessors by manually entering the data.

² The RRM system meets and exceeds documentation guidelines established in the *Multisociety Guideline on Reprocessing Flexible Gastrointestinal Endoscopes: 2011*, the Society of Gastroenterology Nurses and Associates' *Standards of Infection Control in Reprocessing of Flexible Gastrointestinal Endoscopes: 2009*, and the Food and Drug Administration's *Preventing Cross-Contamination in Endoscope Processing: 2009*.

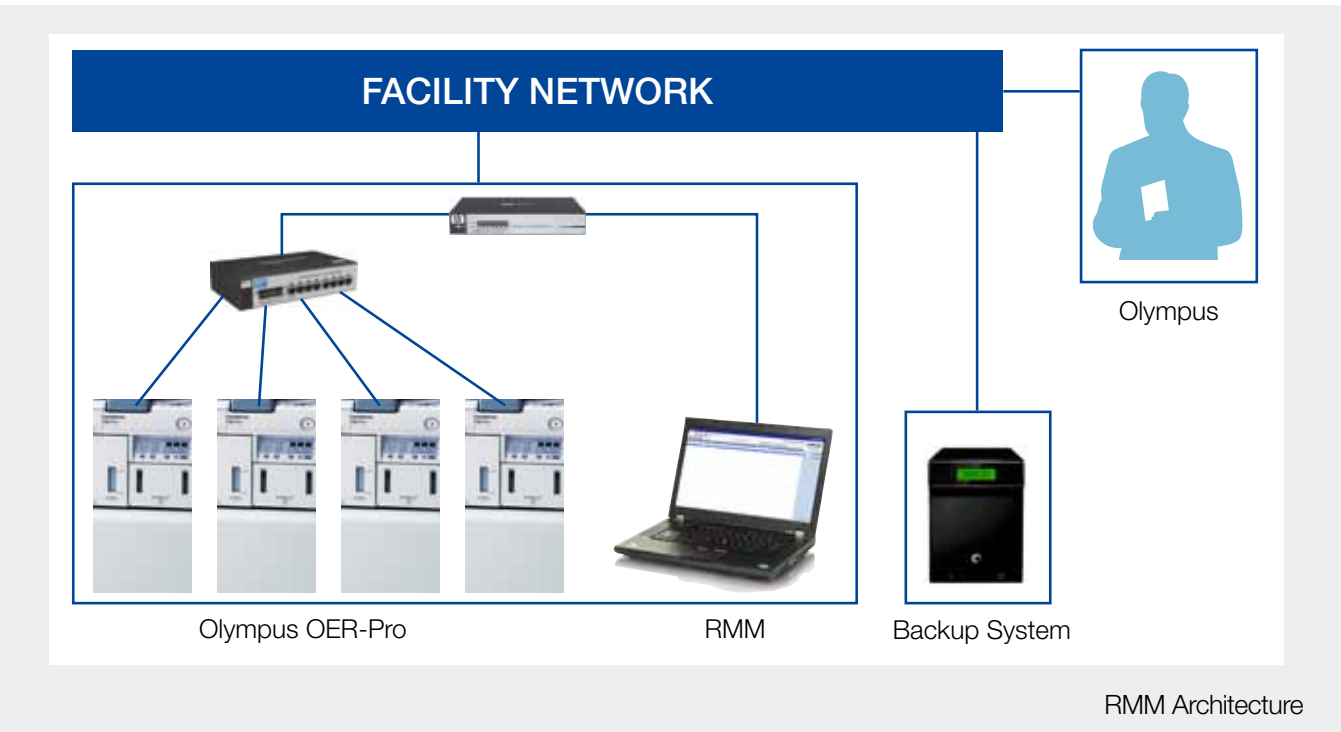
³ When used in conjunction with the OER-Pro and Olympus RFID-enabled endoscopes, the RMM system eliminates the need for manual data entry of endoscope information.

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Unifying Reprocessing-Related Activities

The Reprocessing Management Module is operated through a dedicated computer that is connected to one or more OER-Pros to record data such as reprocessing cycles, endoscope ID information, staff operators, supply consumption, and remote diagnostics. A keyboard and mouse allow manual entry of any data that cannot be captured automatically.



Ensuring Compliance

Ensuring compliance with industry guidelines for reprocessing record keeping can be time consuming and a source of concern. The Reprocessing Management Module simplifies this task and eases compliance concerns with documentation that meets and exceeds Multisociety and FDA guidelines for endoscope reprocessing.⁴

Documentation Guideline	SGNA	Multisociety*	FDA
Patient Name	✓	✓	✓
Medical Record Number	✓	✓	✓
Procedure(s)	✓	✓	✓
Serial Number/Endoscope Identification	✓	✓	✓
Automated Endoscope Reprocessor Identification	✓	✓	✓
Endoscopist	✓		✓
Reprocessing Staff Member	✓		✓
A Method/Surveillance System for Detecting Infections Associated with Endoscopic Procedures	✓		✓

* ASGE, SGNA, SHEA, APIC

Industry Compliant

Mitigating Risk

Infection control is always a critical factor in the success and safety of any endoscopy suite. Automated data capture and record consolidation for reprocessing-related activities can help your endoscopy suite mitigate your risks related to errors made during manual data entry. With all records kept in a searchable database, you are enabled to quickly retrieve critical tracking information in the event of an infection control emergency.

The screenshot shows the 'Reprocessing Report' and 'Reprocessing Record' interface. The top section, 'Reprocessing Information', contains fields for Reprocessor (Name, Model, Serial), 1st Scope (Scope Name, Model, Serial, Manual Cleaning, Cleaning Date, Staff in Charge, Leak Test), 2nd Scope (Scope Name, Model, Serial, Manual Cleaning, Cleaning Date, Staff in Charge, Leak Test), and Detail (Reprocessor Operation, Reprocess Date, Program Description, Alcohol Flush, Reason for Abort, Error Code, Reason). The bottom section, 'Reprocessing Record', displays a table with columns for Scope Name, Scope Model, Scope Serial, Patient ID, Patient Name, Exam Type, Procedure MD, Exam Date, and Exam Time. The table contains multiple rows of data, with some cells highlighted in yellow.

When the Olympus OER-Pro is connected to the RMM system and used with Olympus RFID-enabled endoscopes, the fields highlighted in yellow are automatically populated, saving valuable documentation time. Captured data includes: reprocessor model; endoscope name, model and serial number; reprocessing start and end time; responsible staff, error code, and cycle description. Manual entries can be made in all of these fields as well to support non-Olympus reprocessors and endoscopes. In general, all other fields shown are optional manual entries.

⁴ The RMM system meets and exceeds documentation guidelines established in the *Multisociety Guideline on Reprocessing Flexible Gastrointestinal Endoscopes: 2011*, the Society of Gastroenterology Nurses and Associates' *Standards of Infection Control in Reprocessing of Flexible Gastrointestinal Endoscopes: 2009*, and the Food and Drug Administration's *Preventing Cross-Contamination in Endoscope Processing: 2009*.

Optimizing Efficiency

As budgets shrink and responsibilities increase across hospital departments, there is a pressing need for optimizing operational efficiencies. The Reprocessing Management Module can help in several key areas:

1. Savings:

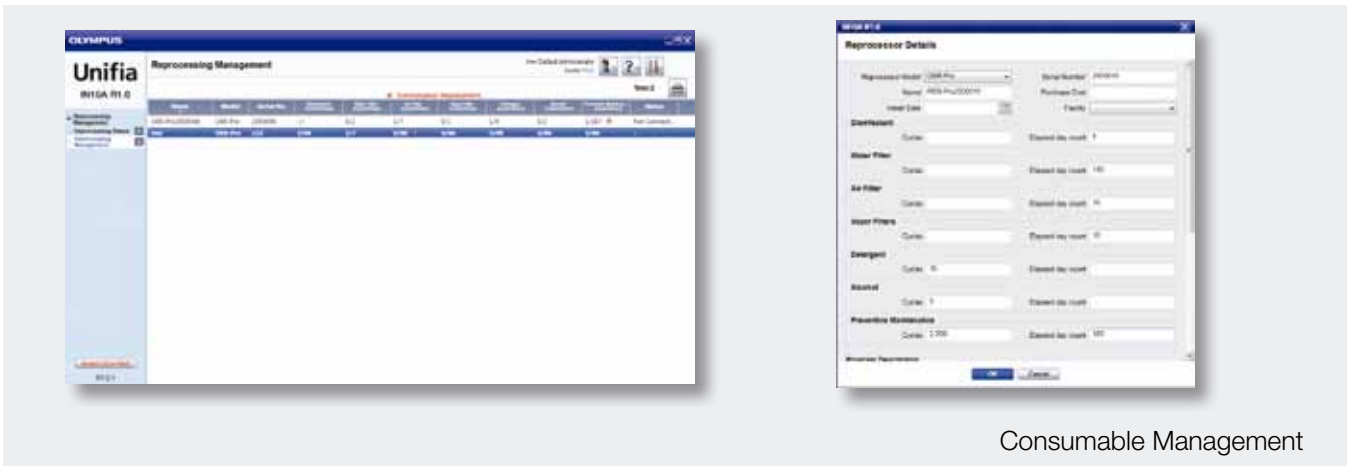
The RMM system, when combined with the OER-Pro's RFID capabilities for capturing endoscope and staff ID information, helps reduce the time burden placed on staff associated with manual data entry.

2. Optimization:

Used in conjunction with the OER-Pro, the RMM system can help improve the operational cost efficiency of your endoscopy suite. By tracking usage of your AERs, endoscopes, and consumables, you can better analyze your use needs to determine the optimal mix of equipment and the required levels of consumable inventory to have on hand.

3. Inventory Management:

The RMM system can save your facility time by validating reprocessing stock orders and increase the predictability of your reprocessing supply budget. Used in conjunction with the OER-Pro, the RMM system displays the current status of key reprocessing supplies compared to set, site-specific thresholds. The RMM system can also record date, time, cost, and responsible staff data.



4. Remote Assistance:

To minimize downtime, reduce on-site visits, and provide advanced support for your data management, the RMM system's remote assistance feature allows Olympus technicians to access your RMM⁵ server remotely to perform troubleshooting in real time, help solve problems over the phone, and execute required customizations and updates to your system.

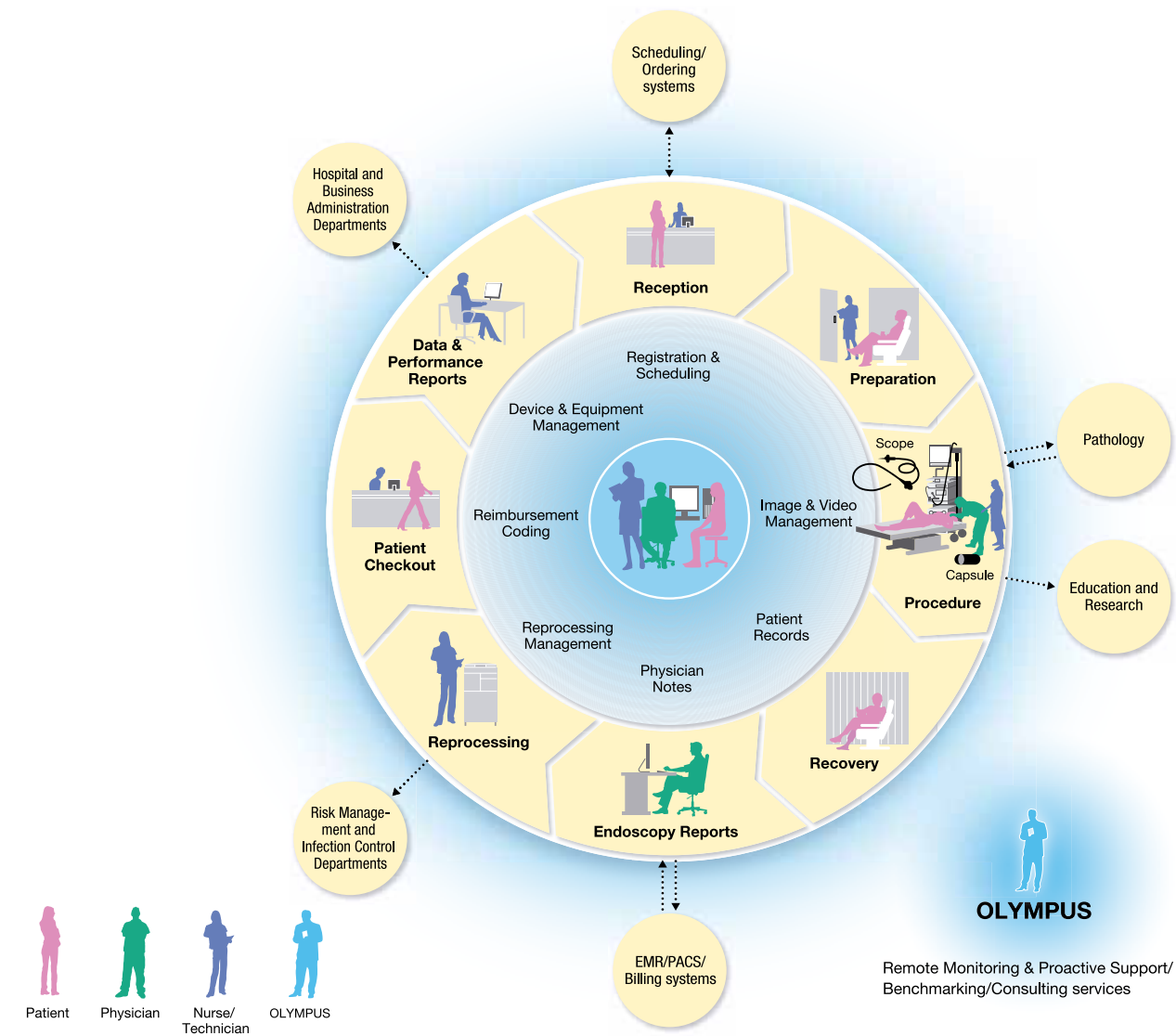
5. Advanced Operations:

The optional addition of the Olympus DICOM (Digital Imaging Communication in Medicine) Communication Module and EVIS EXERA III endoscopy system to your RMM system can help you glean more functionality from your reprocessing data management. It can seamlessly integrate with your hospital's existing information management system so you can automatically populate your reprocessing records with key patient data (name, medical record number, and gender).

⁵ The Reprocessing Management Module uses the IN10A R1.0 IMAGING AND WORKFLOW MANAGEMENT SYSTEM.

The Future of Workflow Systems

At Olympus, we envision a future where overall operations are streamlined by integrating IT devices and networks. Our interfaces, including the RMM system, are designed to combine information from Olympus products with data from medical information management systems to help optimize the flow of activity in the endoscopy suite and the medical facility overall.



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