



MILESTONE
H E L P I N G
P A T I E N T S



EASY AND EFFICIENT CAPTURING OF THE GROSSING STEP



MacroPATH
Macro Digital Imaging System

ENHANCED PATIENT SAFETY WITH IMPROVED REPORTING

| MODERN GROSSING DOCUMENTATION

Grossing of biospecimens is a crucial step in the pre-analytical phase, with significant impacts on the entire diagnostic process and final diagnoses. Traditionally, operators take subjective notes, which can be prone to misinterpretation by pathologists. This time-consuming step is also performed using various tools without a standardized approach. As a result, modern pathology labs are seeking tools to transition towards Digital Pathology and Image Enhanced Reports (IER) to provide precise information about the grossing step and support pathologists in reaching accurate diagnoses. The MacroPATH Digital Imaging System enhances patient safety by incorporating all the necessary features to expedite and simplify the documentation and traceability of biospecimens.

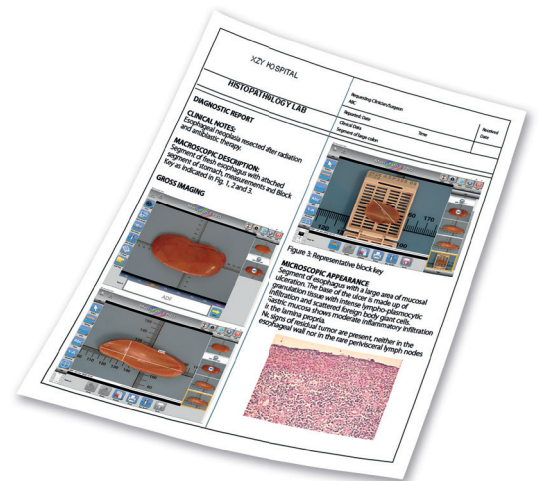


Image Enhanced Report



HIGH-RESOLUTION CAMERA

For high quality images (20 Mpx, 65x optical zoom), 4K and FULL HD videos and audios



HIGH-PERFORMANCE TERMINAL

New fast processor to expedite documentation, storage and editing



SMART SOFTWARE

Intuitive, icon-driven and with built-in editing tools



FOOT CONTROL & TOUCHSCREEN

To simplify the acquisition process



DIGITALIZED GROSSING DOCUMENTATION

STREAMLINED WORKFLOW

ENHANCED TRACEABILITY

FULL INTEGRATION WITH LIS AND PACS

FLEXIBLE SET-UP

STATE-OF-THE-ART SOLUTION FOR DIGITAL PATHOLOGY

I DIGITALIZE GROSSING DOCUMENTATION

The MacroPATH is a comprehensive tool designed to provide digital documentation of the grossing of surgical specimens and biopsies. It utilizes a built-in high-resolution camera to capture images and videos of the biospecimen and its dissection at exceptional quality. Additionally, the instrument features a microphone for recording voice notes and a suite of sizing and editing tools for images and videos, as well as for creating reports. MacroPATH is an all-in-one platform for integrated and efficient documentation of the grossing process.



HIGH-RESOLUTION CAMERA

Enables capturing detailed images and recording high resolution videos



TOUCHSCREEN TERMINAL

For a more convenient workflow, with all tools within the operator's reach



SIZING TOOLS

Measuring tools to provide an estimation of the size and area of the specimen



EDITING TOOLS

Allow users to create sections, add drawings and text, and use dedicated editing functions

| STREAMLINED WORKFLOW

MacroPATH combines ease of use and fast operation to expedite and standardize the digital description as an integral part of the grossing workflow. Currently, operators often rely on various inadequate tools, leading to time-consuming setups and impacting the overall lab efficiency. In contrast, MacroPATH is always ready to use, with all functions conveniently accessible to the operator. Capturing pictures, videos, and recording voice notes or videos is now effortless, thanks to the foot pedal and waterproof touchscreen that provide immediate access to all functions. Furthermore, MacroPATH seamlessly enables the acquisition and automatic storage of documentation into specific case ID folders, avoiding errors and ensuring a comprehensive chain of custody for each specimen. This standardized approach enhances accuracy and reliability, making the diagnostic report a perfect complement for Telepathology.

**A REAL ASSET
FOR YOUR
DAILY OPERATIONS**

01.



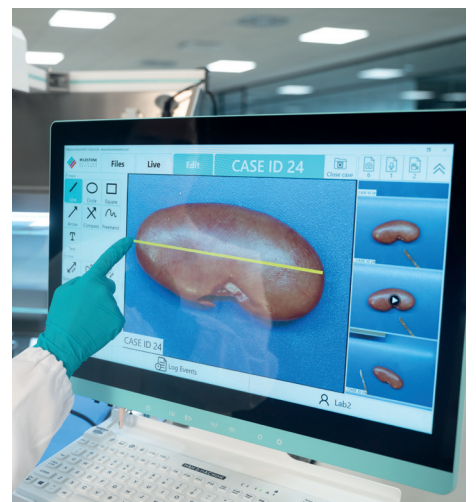
The sequence begins by entering the case ID through the barcode reader which automatically creates its dedicated folder.

02.



By using the built-in foot pedal, the operator can easily zoom in and out, take images and record videos.

03.



The operator can edit images to estimate sizes and areas, add notes or create sections and quadrants.

SECURE SPECIMEN CHAIN OF CUSTODY

| ENHANCED TRACEABILITY

Thanks to the comprehensive documentation provided by MacroPATH, pathologists can review images and videos of the grossing process during the embedding or cutting stage, allowing them to intercept potential mismatches.



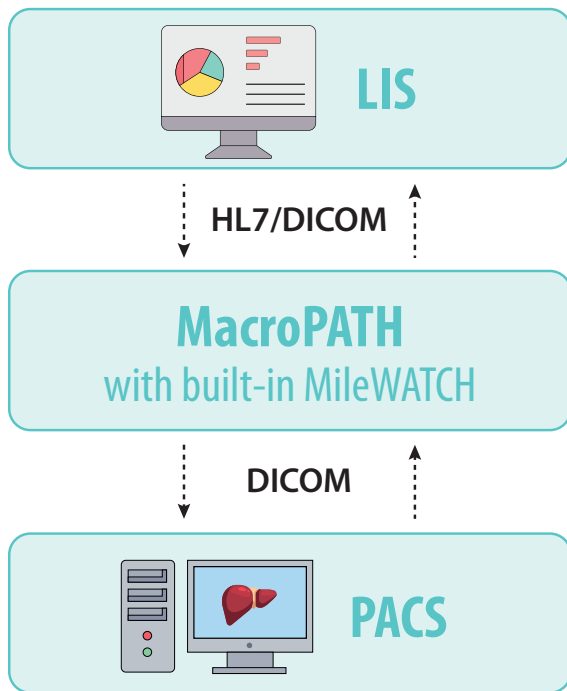
MacroPATH is equipped with the built-in MileWATCH, that enables full integration with LIS and PACS. Additionally, MileWATCH capabilities can be optionally extended to other Milestone units, allowing continuous tracking of specimen data from its collection until the embedding process, thereby providing a complete case history and comprehensive evidence.



MileWATCH
24/7 Monitoring and Tracking

I FULL INTEGRATION WITH LIS & PACS

The importance of creating comprehensive and accurate documentation directly aligns with the need for effective tools to share and archive information. As a result, MacroPATH, thanks to the built-in MileWATCH, is integrated with LIS and PACS through various protocols, including DICOM, HL7, TWAIN and WIA, ensuring the highest level of compliance with key standards.



I IDEAL TEACHING TOOL

MacroPATH can also be used as a teaching tool. The pathologist can create specific videos and images to be used during classes to educate students on the correct grossing procedure. Furthermore, this approach allows access to a large database of real cases whilst maintaining highest levels of safety, avoiding the exposure of the students to unnecessary risks.



DEDICATED CONFIGURATIONS TO FIT ANY LAB

I FLEXIBLE SET-UP

The MacroPATH is available as a stand-alone system to be placed near the grossing area or integrated in any grossing station with its touchscreen terminal installed in the frontal or lateral position, according to the specific operator's needs. MacroPATH is also the perfect complement to the Milestone grossing stations.



MacroPATH installed as a stand-alone system



MacroPATH installed on an existing grossing station

| MILESTONE SOLUTIONS FOR GROSSING



UltraGROSS

The New Benchmark
in Grossing



eGROSS

Ergonomic, Mobile
Grossing Workcenter



WorkSTATION

Grossing Workcenter
for Small Biopsy

MILESTONE HELPING PATIENTS

Milestone is a company headquartered in Northern Italy and was founded in 1988 as a corporation specializing in advanced microwave instrumentation for analytical and organic chemistry labs. As the technology leader in pre-analytical instrumentation, Milestone supports a worldwide installed

base of over 25.000 systems. In 1994, Milestone established a separate Medical Division to expand our expertise in the crucial pre-analytical phase to the world of histopathology. We pioneered the first microwave rapid tissue processor for same-day diagnosis and the first macro-digital system to enhance the grossing step. Today, our rapid tissue processors, macro-digital imaging systems, and pre-analytical instrumentation are used every day in the most renowned clinical and research laboratories around the world. But we never stop. We continue to lead the industry with constant innovation and improvement. Driven by the leading principle we live by, Helping patients.

MILESTONE



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