NEW CAMERA
20.1 Mega Pixels
30x Optical Zoom

MacroPATH

The game changer in the macro digital documentation of the grossing step and Telepathology

MacroPATH

The visual description of surgically excised specimens, together with the sampling site, forms an important component in the documentation of a patient case. The accuracy of the description depends on the vocabulary and descriptive prowess of the Pathologist or of the Pathologist's assistant. The transcription of the dictation also takes time and can involve additional services external to the pathology group. Since 1999*, Milestone has pioneered the use of macro digital imaging systems to document the grossing procedure. Our technology has enabled laboratories to implement better quality assurance oversight, to reduce the specimen description time and to provide greater accuracy. The new MacroPATH is a user-friendly, high-resolution image capture system that can either be mounted to fit any existing grossing workstation or used as a shared stand-alone resource. Selected high-resolution images can be used to supplement synoptic or preformatted reports that provide essential data or clinical relevance. The stored images form a powerful database for QA, teaching and research. The connection to remote transmission facilities allows teleconferencing and telepathology consultations.

* An advanced digital image-capture computer system for gross specimens: a substitute for gross description. Antony S.Y. Leong - Pathology (2000) 32, pp. 131-138

1 State-of-the-art digital camera. Built-in LED illumination and USB extender.

2 Point-of-care control terminal, 19" touchscreen.

3 Waterproof IP68 keyboard.

4 Foot control module (zoom in-out, save, recording).

The MacroPATH installed in an existing grossing workstation.

The stand alone MacroPATH.

BEST THEN, BETTER NOW: THE NEW MacroPATH CAMERA

▸ **CMOS sensor dimension: 20,4 Mpx approximately**
▸ **Image resolution: 20,1 Mpx approximately**
▸ **Maximum optical zoom: 30X**
▸ **Digital magnification: 4X**
▸ **Video resolution: 1024x768 (HD) 15-16 FPS (fps)**
▸ **Audio 352Kbps, 22KHz Rec audio: 128 Kbps**
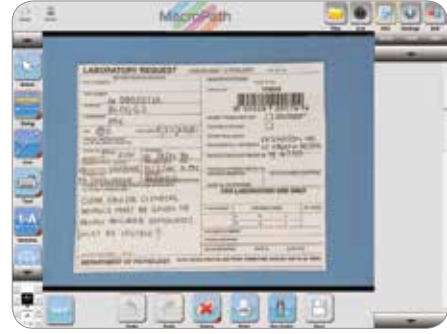▸ **Anti-glare polarized lens (optional)**

MACRO DIGITAL IMAGING SYSTEM FOR THE GROSSING ROOM
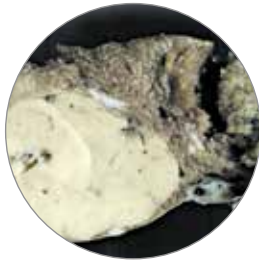

1 **Start a new file.**
Enter the specimen/patient data by keyboard or by scanning the barcode. The program automatically opens.

1D **2D**

2 **Digitize the requisition form.**
Capture a digital image of the requisition form to exclude potential mismatch errors when manually entering the patient/specimen data.Ideal documentation for Quality Assurance.
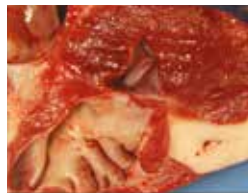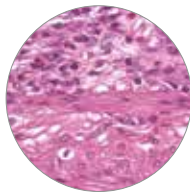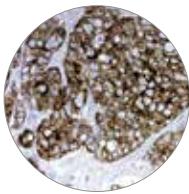
START

...Ivory, creamy, white?
...Nut size, orange size?

A picture is worth a thousand words

7 **Enhanced diagnostic reporting.**
Macro images and MP3 files of the description text are available to all pathologists at time of sign-off.

3 **Create an image library.**
Capture real size, close up images of excised specimens in rapid sequence.
Saved images appear as thumbnails on the right side of the screen.

4 **Automatic sizing/area.**
Select the image of interest.
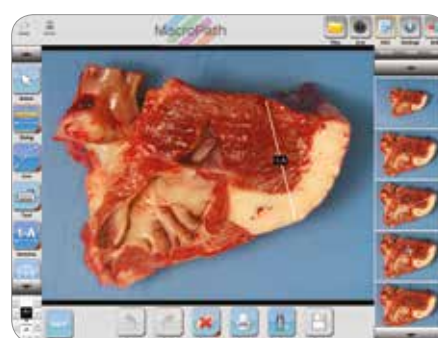*Choose the appropriate sizing tool (linear, area, perimeter) and select the area of interest.*

No more...

Hand drawings.

Long descriptions.

... just MacroPATH.

A rapid sequence of digital images and spoken comments.

6 **Correlation of labeled cassettes and sampled tissues.**
Eliminates the potential mismatching of cassettes, labeled/number of blocks and sampled tissues. It is valuable documentation in an educational/training environment.

5 **Automatic block key indication.**
Pick the image of interest. Select the "Sections" icon. Draw on the specimen to indicate the sampled areas. The tool will label sequentially.
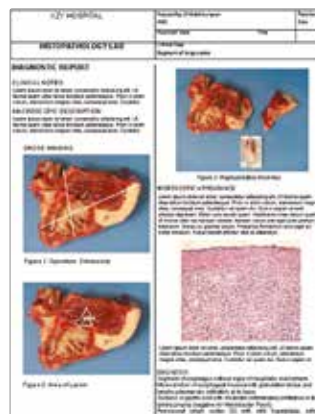
THE BENEFITS OF MacroPATH

In the Grossing Room:

- A major visual complement to standard descriptions.
- The availability of the images eliminates vagueness in the description of the shape, size and color of specimens.
- Eliminates hand drawings or long descriptions.
- Enables a detailed observation and documentation through a 30x optical magnification.
- Rapid and accurate sizing/area of specimens.
- Easy and precise labeling of tissue block sample locations.
- Full documentation of the specimen "as received".

In the Microscopy Room:

- Macro images are available to all the pathologists at time of sign-off.
- Create more informative pathology reports by adding context with macro images.

THE STATE-OF-THE-ART IMAGE QUALITY OF MacroPATH

The new camera of the MacroPATH system with its 20.1 Mega Pixel resolution and 30x optical zoom, guarantees an optimal digital imaging of biospecimens.

THE WORLD MARKET LEADERSHIP OF MILESTONE

- First company to develop and market a grossing camera system.
- Largest installed base of macro digital imaging systems.
- Since 1999 over **2,000** units in operation worldwide.
- The de facto standard in macro digital imaging for grossing.
- The highest quality of application and service support.

INTERFACING THE MacroPATH

In addition to the stand-alone operation, the MacroPATH can be interfaced with a PACS or LIS through a coded solution or TWAIN mode.

Stand-alone system

Saved locally

Saved in a network location

Interfacing with LIS (Laboratory Information System)

1. MacroPATH acts as a secondary application to the LIS. The patient case identifier is held by the LIS.
2. The LIS launches MacroPATH.
3. The user completes the image acquisition and annotation.
4. Assets are saved in the LIS location.