

WorkSTATION pro-x 140

An innovative, ergonomic center for macro digital documentation of small biopsies



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PATIENTS

WorkSTATION pro-x 140

A user-oriented capture and storage system for digital macro images of small specimens.

In today's laboratory approximately 40-60% and in some instances up to 95% of specimens are endoscopic biopsies (prostate, gastro-intestinal). Handling of these small specimens takes place in large, bulky grossing stations designed for very large surgical samples. The WorkSTATION pro-x 140 has been developed to fill this technology gap and to document this manual step for patient safety and QA purposes. It dramatically reduces specimen turnaround time at the grossing station compared to conventional capture and shoot handheld systems.

Quality assurance? No problem!

In less than 2 minutes the complete documentation process is performed. This information will be very important for quality assurance purposes at the embedding stage to verify the correspondence before and after processing of the biopsies.

▶ ERGONOMIC



1

Easily adjust the working height to accommodate operation while standing or sitting and to fit varying operator height.

▶ LONG-LIFE OPERATION



2

Special stainless steel (AISI 304) structure and work surfaces.

▶ FULL DOCUMENTATION



3

MacroPATH macro digital system for full documentation of small specimen grossing.

▶ HIGH SAFETY STANDARDS



4

High power exhaust system with downdraft, backdraft and fine-mesh specimen filter features.



5

Slide out waste basket, with trap door, connected to exhaust system.



6

Exhausted formalin is discarded through a fine mesh filter to a tank with no-fume return valve. Light alarm to signal the "tank full" condition.

ALL-IN-ONE ERGONOMIC WORKSTATION FOR MACRO DIGITAL DOCUMENTATION OF SMALL BIOPSIES



▶ EASY OPERATION



- 7 All-in-one control panel.
Bar code reader (option).



- 8 Water drain basin with shower head for rinsing purposes.

▶ CONVENIENCE



- 9 Magnetic bar for tweezers and other tools. Stainless steel ink tray.



- 10 Easy access water inlet/outlet and power supply.



- 11 Slide out waterproof keyboard with integrated trackpad.



- 12 10 cm (4") industrial casters to enable easy repositioning.



- 13 Quick access exhaust outlet (100mm diameter).

▶ CONNECTIVITY



- 14
- Network ready
 - LIS compatible
 - Remote viewing enabled

MacroPATH

State-of-the-art macro digital imaging

The WorkSTATION pro-x built-in MacroPATH digital imaging technology is the most advanced system for full documentation of surgical specimen grossing. It is a new tool for optimized quality assurance, improved productivity and workflow. It operates with an icon-driven, user friendly software.

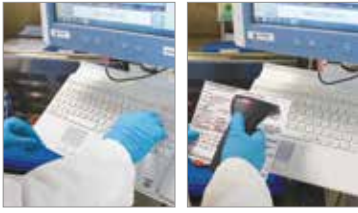


MacroPATH macro digital imaging system for automatic, rapid documentation of all the grossing steps of surgical pathology specimens.

State-of-the-art digital camera:

- Resolution: 20.1 Mpx (image size: 5184×3888 px)
- Magnification: 30x optical
- Automation: autofocus, auto-light adjusting, auto WB.
- Supplemental lighting: built-in LED

Full documentation as simple as 1, 2, 3...



1 Start a new file.

Enter the specimen/patient data by keyboard or by scanning the barcode. The program automatically opens.



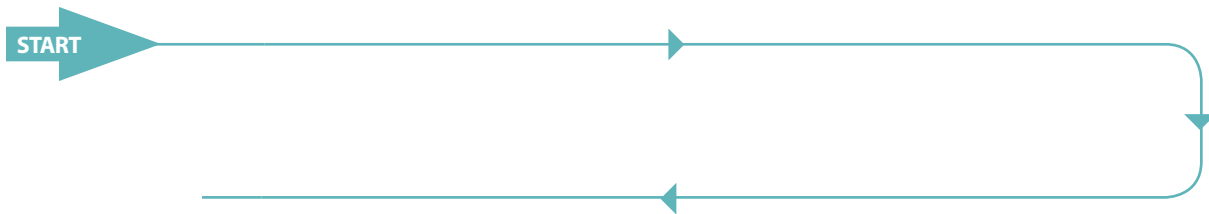
2 Digitize the requisition form.

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.



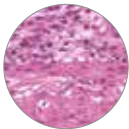
3 Automatic sizing/area.

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



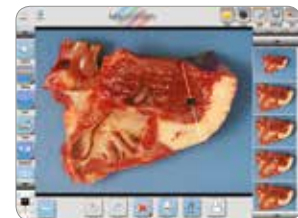
5 Enhanced diagnostic reporting.

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



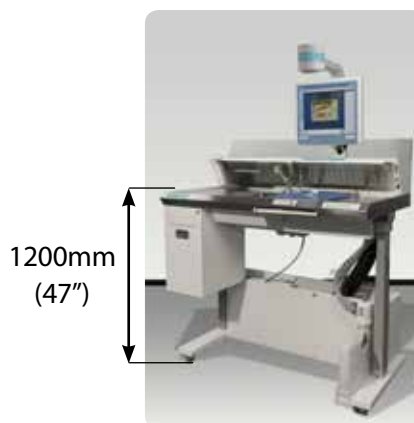
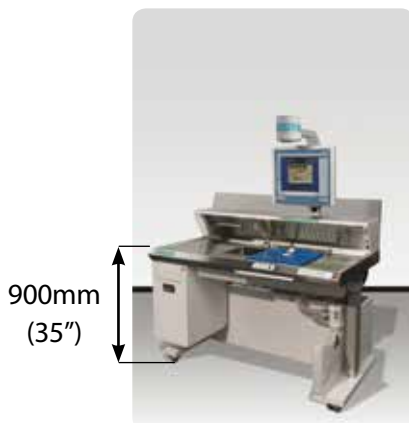
4 Automatic block key indication.

Pick the image of interest. Select the "Sections" icon. Draw on the specimen to indicate the sampled areas.



Ergonomic

Easily adjust the working height to accommodate operation while standing or sitting and to fit varying operator height.



Technical Specifications

- Dimension (WxHxD): 1400mm (55") x 1750mm up to 2050 mm (69" up to 81") x 800mm (32"). Weight: 180Kg (396 Lbs)
- Minimum table height: 900mm (35"). Maximum table height: 1200mm (47")
- Water connection: inlet 1/2", outlet 40 mm max 10bar. Exhaust connection: 400-500 m³/h (14.126-17.657 cfh) Ø 100 mm
- Power supply: 230V -50Hz / 115V-60Hz

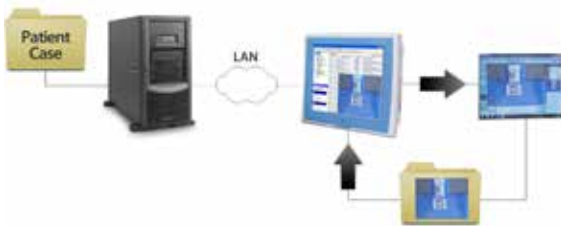
Interfacing the WorkSTATION pro-x 140

In addition to stand-alone operation, WorkSTATION pro-x 140 can interface with a PACS or LIS through coded solution or TWAIN mode.

Stand-alone system



Interfacing with LIS (Laboratory Information System)



1. WorkSTATION pro-x 140 acts as a secondary application to the LIS. Patient case identifier is held by LIS.
2. LIS launches WorkSTATION WorkSTATION pro-x 140.
3. User completes image acquisition and annotation.
4. Assets are transferred to the LIS.

WorkSTATION 140 without MacroPATH

Whenever the digital imaging features are not required, the WorkSTATION 140 is available without the MacroPATH Pro-x.

Technical specifications:

- Dimension (WxHxD): 1400mm (55") x 1550 mm (61") x 800mm (32"). Weight: 170Kg (375 Lbs).
- Minimum table height: 900mm (35"). Maximum table height: 1200mm (47").
- Water connection: inlet 1/2", outlet 40 mm max 10bar. Exhaust connection: 400-500 m³/h (14.126-17.657 cfh) Ø 100 mm.
- Power supply: 230V -50Hz / 115V-60Hz.



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