

WorkSTATION Bx 140

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



MILESTONE
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PATIENTS

WorkSTATION Bx 140

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

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 (3-20mm) takes place in large, bulky grossing stations designed for very large surgical samples.

The WorkSTATION Bx 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 following images can be stored in the system.

- 1) Requisition form
- 2) Label of the vial
- 3) ID of the cassette
- 4) Number of biopsies
- 5) Size of the biopsies

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 Bx macro digital system for automatic, rapid documentation of requisition forms, vials, cassettes, # of specimens, sizing of specimens.

▶ 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).

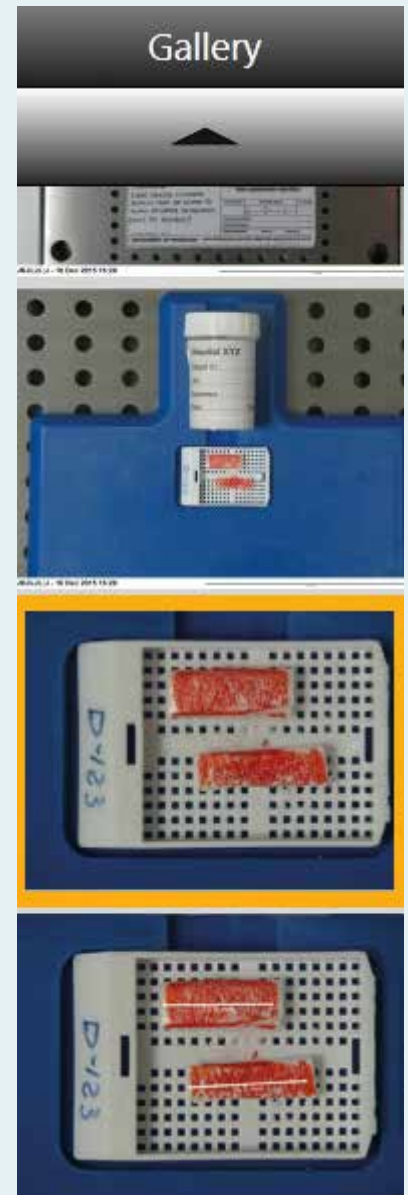
▶ CONNECTIVITY



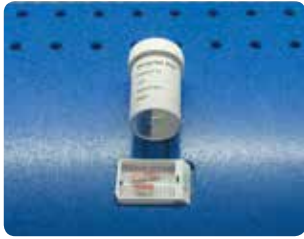
- 14
- Network ready
 - LIS compatible
 - Remote viewing enabled

Full documentation

With the MacroPath Pro-x macro digital system, for automatic, rapid documentation of requisition forms, vials, cassettes, # of specimens, sizing of specimens can be easily obtained.



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

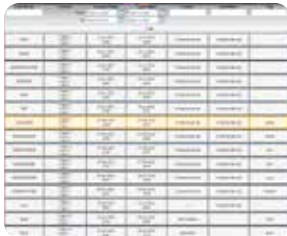


Ergonomically positioned, icon-driven, touch control panel

- 1 Start a new case.
Enter specimen/patient data by keyboard or scan a barcode.
- 2 Place the requisition form and press **REQ. FORM** icon. Press **SAVE**.
- 3 Press **CASSETTE VIALS** icon, transfer specimens into cassette. Press **SAVE**.

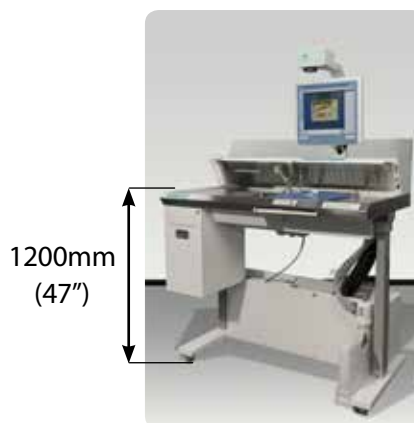
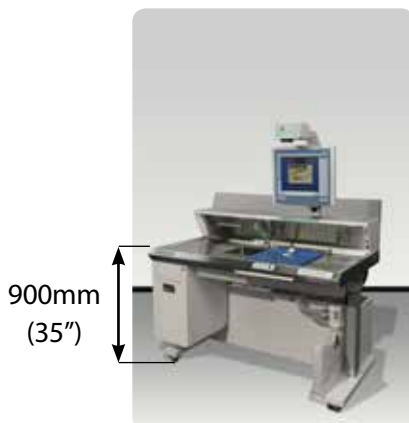


- 6 Unique case management screen enables image retrieval and data filtering.
- 5 Formalin can be discarded into the integrated waste container, through a fine-mesh filter.
- 4 Press **SIZING** icon to superimpose a grid of 1 mm (or multiple thereof) to enable a precise sizing of the biopsies. In addition, a dedicated sizing tool is available for image annotation.



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

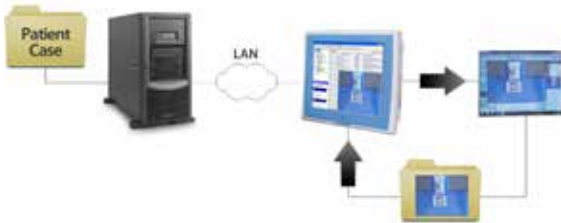
Interfacing the WorkSTATION Bx

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

Stand-alone system



Interfacing with LIS (Laboratory Information System)



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

WorkSTATION 140 without MacroPATH pro-x

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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PATIENTS

MILESTONE Srl - Via Fatebenefratelli, 1/5 - 24010 Sorisole (BG) - Italy
Tel: +39 035 4128264 - Fax: +39 035 575498
www.milestonemedsrl.com - email: medical@milestonesrl.com

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MILESTONE MEDICAL TECHNOLOGIES, INC.
6475 Technology Avenue, Suite F, Kalamazoo, MI 49009 - USA
Tel: 269-488-4950 - Toll-free: 866-995-5300 - Fax: 269-488-4949
www.milestonemed.com - email: info@milestonemed.com

In your country: