

Faxitron® DX-50 Core Specimen Radiography System

The DX-50 Core Specimen Radiography System provides high-resolution images at the point of care, saving time and providing faster results for the patient, doctor, and staff. The compact, self-contained unit can be located directly in the stereotactic suite, only steps from the stereo table. The DX-50 Core produces high-resolution digital images that can be viewed on the flat panel monitor to ensure that the specimens contain microcalcifications. The images can also be sent to a PACS network for archiving and hardcopy printing.

Superior Image Quality. The DX-50 Core is available with either our 5 cm x 5 cm DC-5 camera or our smaller, less expensive 2.4 cm x 3.4 cm DC-3 camera. The DC-3 provides a more cost effective solution when vacuum-assisted biopsy devices are being used and fewer cores are being excised. It provides unmatched 20 lp/mm resolution in contact mode, while the DC-5 offers 10 lp/mm spatial resolution in contact mode.

Easy to Operate. The DX-50 Core is extremely easy to operate. Simply place the specimen in the chamber, close the shielded, safety-interlocked door, and activate the x-ray. Our advanced Automatic Exposure Control selects the appropriate exposure time and kV settings for the specimen and then a suite of post-image processing tools automatically delivers the optimal image in a matter of seconds.

DX-50 Core System Specifications

Energy range	10-35 kV
Tube current	0.1 mA
Focal spot size, nominal	50 µm
Window filtration	0.03" beryllium
X-ray beam angle	50°
Active imaging area: DC-5 camera DC-3 camera	5 cm x 5 cm 2.4 cm x 3.4 cm
Resolution: DC-5 camera DC-3 camera	10 lp/mm contact mode 20 lp/mm contact mode
Typical image acquisition time	15 seconds
Workstation monitor	19 in.
Power	100-250 VAC, 50/60 Hz, 300 VAC
Dimensions, External	14.25" W x 13.5" D x 15.5" H
Weight	60 lb

All specifications are subject to change without notice.

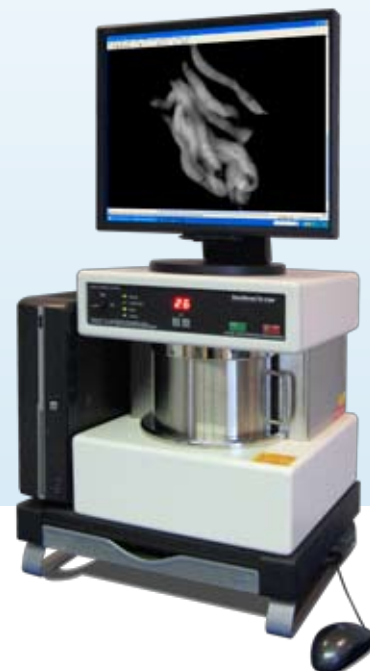
The Benefits

For the patient:

- Minimizes overall time patient is in prone position and/or breast is in compression
- Reduces time required to determine if additional specimens are necessary

For the physician, staff, and facility:

- Improves standard of patient care
- Shorter procedure time frees up doctors, staff, and suite for other patients
- Significant cost savings per procedure



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All Faxitron systems have shielded cabinets and utilize redundant safety interlocks. No NRC licensing or reporting is required. They are certified to comply with standards set by the U.S. Food and Drug Administration Center for Devices and Radiological Health, (21 CFR-1020.40) and CE marking requirements. The DX-50 is classified by Underwriters Laboratories Inc. in the U.S. and Canada, with respect to electrical fire, shock, and mechanical hazards.

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