

Faxitron® DX-50 Surgical Specimen Radiography System

The DX-50 Surgical Specimen Radiography System saves precious time in the OR, which means a faster procedure for the patient, the doctor and the staff, and cost savings for the facility. A surgical nurse is able to use the system to produce a high-resolution digital image in seconds. The image can be shared with the entire medical team via a PACS network prior to closing to provide timely confirmation that the entire target lesion has been excised.

Small and Portable. The entire system – self-contained x-ray unit, workstation, monitor, mouse and keyboard – is housed on a heavy-duty mobile cart and can be quickly and easily moved from suite to suite as needed. The DX-50 Surgical is also available as a table-top unit which requires a minimal amount of space.

Superior Image Quality. The DX-50 is equipped with our large 12 cm x 12 cm camera which provides exceptional 10 lp/mm spatial resolution in contact mode. A magnification stand is included that allows for 1.5X geometric magnification of the specimen resulting in 15 lp/mm resolution.

DX-50 Surgical 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	12 cm x 12 cm
Resolution	Up to 15 lp/mm (10 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	24" W x 24" D x 66.5" H
Weight (including cart)	60 lb (122.8 lb)

All specifications are subject to change without notice.

The Benefits for the patient:

- Less time under anesthesia (average decrease of 19 minutes)
- Potentially reduces the need for re-excision

For the surgeon, OR staff, and facility:

- Improves standard of patient care
- Radiologist and surgeon are able to view image simultaneously
- Reduces procedure time
- Results in significant cost savings per procedure



faxitron x-ray

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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.

0002-0033/Rev A