

Faxitron® MX-20 Specimen Radiography System

The MX-20 Specimen Radiography System is a versatile unit that helps generate faster results in the pathology department. Its small size and relatively minimal cost allow pathologists to place a dedicated system in their labs. The advantage is immediate and routine access to high-resolution imaging technology resulting in faster report generation, which benefits the patient as well as the entire medical team.

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 relocated as needed. The MX-20 is also available as a stand-alone unit which requires a minimal amount of space.

Superior Image Quality. The MX-20 is equipped with our large 12 cm x 12 cm camera which provides exceptional 10 lp/mm spatial resolution in contact mode and up to 50 lp/mm at full 5X magnification.

Easy to Operate. The MX-20 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 SR 1.6 software with ImageAssist™ and Automatic Exposure Control automatically selects the appropriate exposure time and kV settings for the specimen. Other important features include a post-image processing suite to automatically window-level and sharpen the image; Automatic Contrast Enhancement to provide improved depth and structure; and Faxitron on Call™ for real-time, remote system support.

MX-20 System Specifications

Energy range	10-35 kV
Tube current	300 µA
Focal spot size, nominal	<20 µm
Window filtration	0.01" beryllium
X-ray beam angle	40°
Active imaging area	12 cm x 12 cm
Resolution	Up to 50 lp/mm (10 lp/mm contact mode)
Typical image acquisition time	15 seconds
Workstation monitor	19 in.
Power	100-250 VAC, 50/60 Hz, 400 VA
Dimensions, External	24" W x 24" D x 66.5" H (61 cm x 61 cm x 169 cm)
Dimensions, Internal	14" W x 16" D x 19" H (35.6 cm x 40.6 cm x 48.3 cm)
Weight	150 lbs. (68.2 kg)
Weight including cart	360 lbs. (163.7 kg)

All specifications are subject to change without notice.

The Benefits

For the patient, pathologist, staff, and facility:

- Superior radiographs compared to those generated by conventional x-ray systems
- Faster report generation reduces anxiety for the patient
- Improved turn-around times enhance laboratory throughput



MX-20 shown with optional cart

faxitron x-ray

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All Faxitron systems have shielded cabinets and utilize redundant safety interlocks. No NRC site 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). The MX-20 is classified by Underwriters Laboratories Inc. in the U.S. and Canada with respect to electrical fire, shock, and mechanical hazards. 0002-0043/Rev A