

Faxitron® LX-60 Specimen Radiography System

The LX-60 Specimen Radiography System is ideal for imaging larger animals and more dense specimens, due to its cabinet size and energy range of up to 60 kV. The system's large 12 cm x 12 cm camera offers exceptional 10 lp/mm spatial resolution. Magnification allows for spatial resolution of up to 60 lp/mm. The 10-12 µm typical focal spot and up to 6X additional geometric magnification provide ultra high-contrast and high spatial resolution images. If a larger field of view is required, the LX-60 can be used with a CR plate and small, upright CR reader to obtain a field of view up to 10" x 12" (25.4 cm x 30.5 cm).

Easy to Operate. The LX-60 is extremely easy to operate. Simply place the specimen in the chamber, close the shielded, safety-interlocked door, and activate the x-ray. In the digital mode, our advanced DX 1.0 software with ImageAssist 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 in images; and Faxitron On Call™ for real-time, remote system support by Faxitron specialists.

LX-60 System Specifications

Energy range	10-60 kV
Tube current	300 µA
Focal spot size, nominal	<20 µm
Window filtration	0.01" beryllium
X-ray beam divergence	40 degrees
Active Imaging Area	12 cm x 12 cm
Resolution	10 lp/mm contact mode
Typical image acquisition time	20 seconds
Workstation monitor	19 in.
Power	100-120 or 180-240 VAC ±10%, 50/60 Hz, 150 VA
Dimensions, external	22.5" W x 20" D x 41" H (57.2 cm x 50.8 cm x 104.1 cm)
Dimensions, internal	19.25" W x 16.25" D x 29.75" H (48.9 cm x 41.3 cm x 75.6 cm)
Weight	330 lbs. (150 kg)

All specifications are subject to change without notice

Fast Facts about the LX-60

- Like all Faxitron digital systems, the LX-60 features a one-piece CMOS detector; other makers use tiled detectors that generate a lower quality image due to data lost where the tiles intersect
- The 20 µm nominal focal spot is typically 10-12 µm
- Energy range of the LX-60 is from 10 to 60 kV
- With Faxitron On Call™ you are never more than a telephone call from online technical support at 1-888-465-XRAY



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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 LX-60 is classified by Underwriters Laboratories Inc. in the U.S. and Canada with respect to electrical fire, shock, and mechanical hazards. 0002-0046/Rev A