

# LABORATORY GENERAL SCIENCE RADIOGRAPHY SYSTEM



Faxitron Model LX-60

## MODEL LX - 60

- Superior image quality.
- Up to six times radiographic magnification.
- Offers complete radiation safety with shielded and interlocked enclosure.
- Simple to operate and maintain.
- Available with optional AEC.
- Table top cabinet
- Available with digital imaging option. *Contact factory.*

### APPLICATION

The Faxitron® Model LX-60 will provide high resolution radiographs compared to those of conventional x-ray machines. The exceptionally high magnification capability from the 20µm focal spot with optimized cabinet geometry and the superior contrast available from the low kV capability provides enhanced imaging performance. The LX-60 is ideal for laboratory animal studies, general pathology, and light NDT applications.

#### *Typical Applications:*

- Larger Animals and Dense Organs
- Fetus Research
- Plastic Injection Moulding
- Automotive Parts • Aerospace Components
- Electrical/Mechanical Components

### SPECIFICATIONS

- Energy Range: 10-60 kV
- Tube Current: 300 µA Max.
- Timer: .1 to 999 seconds
- Focal Spot Size: 20µm nominal
- Window Filtration: 0.25" beryllium
- X-ray Coverage: 16.25" x 19.25"
- Power: 100 - 120 or 180 - 240 VAC, ±10%, 50/60 Hz, 150 VA
- Size: 22.5"w x 19"d x 41"h
- Weight: 330 lbs.



225 Larkin Drive Unit 1, • Wheeling, Illinois 60090  
Tel. 847-465-9729 • Fax 847-465-9740 • <http://www.faxitron.com>

TOLL FREE: 888-465-XRAY

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# SPECIFICATIONS

## X-Ray Source:

- **Focal spot size:** <0.02 mm
- **kV:** 10-60
- **mA:** 0.3 From 10 kV to 40 kV, Iso-watt limited to 12 watts from 40-60 kV
- **Beryllium window thickness:** 0.25 mm
- **X-ray beam divergence:** 40 deg.
- **Target Material:** Tungsten (W)



COMPLIES WITH 21 CFR 1040.10 AND 1040.11 EXCEPT FOR DEVIATIONS PURSUANT TO LASER NOTICE NO.50, DATED JULY 28, 2001

## Exterior Dimensions:

- **Height:** 41"
- **Width:** 22.5"
- **Depth:** 19.0"

## Compartment Interior Dimensions:

- **Height:** 28.75"
- **Width:** 19.25"
- **Depth:** 16.25"

## Weight:

- **Net:** 330 lbs.
- **Shipping:** 380 lbs.



## *Beam Coverage (BC) and Source to Object Distance (SOD) at Different Shelf Positions/Magnification Factors*

Shelf Position/ Mag. Factor	BC diameter cm (inches)	SOD cm (inches)
6	11.13 (4.38")	13.97 (5.5")
5	13.35 (5.25")	16.71 (6.58")
4	17.15 (6.75")	20.82 (8.2")
3	22.53 (8.87")	27.79 (10.94")
2	34.29 (13.5")	41.57 (16.37")
1.5	46.36 (18.25")	55.37 (21.8")
1 (bottom)	>61 (>24") see note a	82.8 (32.6")

Note: a. Beam coverage limited to the inside size of the cabinet, 41.3 x 48.9 cm (16.25" x 19.25").

*Specifications are subject to change without notice.*

## SAFETY

- Radiation shielded cabinet • Compartment door equipped with dual safety interlocks • Radiation: Less than 0.1 mR/hr at 5 cm (2 in.) from exterior surface at maximum kV • Certified to comply with standards set by the US Food and Drug Administration, Center for Devices and Radiological Health, (21 CFR-1020.40) • Classified by Underwriters Laboratories Inc. in the U.S. and Canada with respect to electrical fire, shock, and mechanical hazards and has been tested to comply with the European Low Voltage and EMC directives.



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