

Cabinet Features:

Adjustable Sample Shelf: 20cm to 90cm SSD
Changeable Beam Conditioning Filter Slides, (2) supplied
User Entry Port to introduce small tubing and cables into chamber area
Complies with Domestic and International Regulations for safety of cabinet X-ray systems

Cabinet Size and Weight:

Overall Dimensions: 80" (200cm) H x 59" (148cm) W x 34" (85cm) D
Irradiation Chamber: 40" (100cm) H x 30" (75cm) W x 30" (75cm) D
Weight: 5500 lbs (2500 kg)

Power Requirement:

1N PE 230 VAC $\pm 5\%$ 50/60 Hz, 10 KVA
3N PE 400/230 VAC $\pm 10\%$ 50/60 Hz, 8 KVA

High Voltage Generator:

Maximum Output Voltage: 450 kV (tube limited to 320 kV)
Maximum mA: 45

X-ray Tube:

Maximum Potential: 320 KV
Maximum Power: 4000 W
Type: Metal Ceramic, Fixed Anode, Oil Cooled
Focal Spot: 8 mm² (per EN12543)

Dose Output:

3 Gy/min at 320KV, 12.5mA, 50cm SSD, (HVL_{0.1}≈1mm Cu)
1 Gy/min at 320KV, 12.5mA, 50cm SSD, (HVL_{0.1}≈4mm Cu)
>15 Gy/min at 320KV, 12.5mA, 50cm SSD, (No Beam Hardening)

TouchRAD Operators Control:

KV Setting & Display Accuracy: 5KV – 320 KV in 0.1 KV increments
mA Setting & Display Accuracy: 0.5mA to 45 mA in 0.01 mA increments
Settings Accuracy: < 1%
Exposure Timer: 1-9999 seconds
Programmable Settings: 71,000 locations to recall exposure parameters
Password Protected User Accounts
Ability to assign users access to only specific programs.
Excel® Database transportable via USB Flash memory

Additional X-ray Unit Features:

Automatic warm-up with intelligent tube conditioning
Proven long-term reliability of system components

Options and Accessories:

Animal Holding and Shielding Fixtures
Motorized Turntable
Adjustable Collimator

For further information: visit our web site www.pxinc.com or contact us at sales@pxinc.com

Shouldn't the most accurate biological irradiator also provide the greatest flexibility.

Precisely.



X-RAD 320ix

Biological Irradiator

Introducing the X-RAD 320ix Biological Irradiator.



The X-RAD 320ix is a self-contained X-ray system for delivering a precise radiation dosage to specimens in a biological or small animal research laboratory.

The shielded cabinet includes a TouchRad Control, Key Operated Motorized Program Adjusted Specimen Shelf, Sample Viewing Window, Interior Light and Beam Hardening Filter Holder.

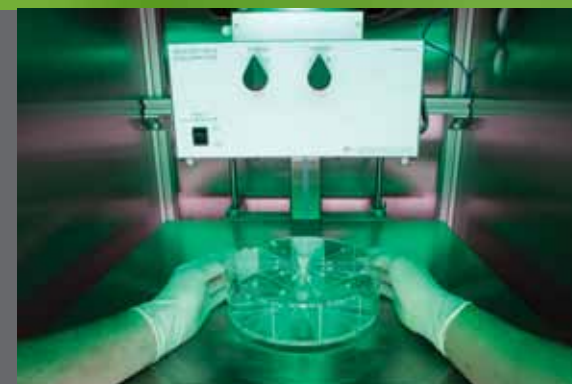
The X-RAD 320ix features the TouchRAD Control Panel a multi-user, password protected touch screen interface with a transportable database that can track individual system usage.

Passwords, programmed exposure settings, and database management are controlled by a super-user.

The X-ray tube is used specifically for radiation therapy having a highly homogenous beam.

- 320 kVp Orthovoltage Energy X-Ray Unit
- Automatic Warm-up with Intelligent Tube Conditioning
- Proven Long-term Reliability of System Components

Accuracy, Reliability, Repeatability.



Prestigious research facilities worldwide turn to Precision X-ray to provide the most advanced and reliable systems to assist with their research efforts – find out why.