

Should there be a compact option that does not compromise power?

Precisely.



X-RAD® iR-225 Biological X-ray Irradiator

The X-RAD iR-225 is a compact cabinet X-ray irradiator for higher energy irradiation studies and is ideal for delivering high doses in the biology and material sciences.

The Operator Interface is simple to use and yet offers the greatest amount of flexibility for performing high and low dose exposures over a broad range of settings.

Available Options:

- Dual focus X-ray tube for combined imaging/irradiation use
- Fixed beam limiting apertures
- Motorized turntable

Precision X-Ray is the leader in X-ray irradiation systems with hundreds of installations worldwide.

Contact us for additional configuration options or product information.

X-RAD® iR-225 Biological X-ray Irradiator

Technical Data



Cabinet Features

- Adjustable Sample Shelf: 10 to 95 cm SSD
- Changeable Beam Conditioning Filter Slides
- Cabinet Port to introduce small tubing and cables into chamber area
- Complies with US and International regulations for Cabinet X-ray systems

Cabinet Size and Weight

Overall Dimensions: 30"(75 cm)w x 29"(73 cm)d x 62"(157 cm)h
Irradiation Chamber: 26"(65 cm)w x 26"(65 cm)d x 42"(106 cm)h
Weight: 48": 2395 lbs (1089 kg)

Power Requirement

1N PE 208-230 VAC, 50/60 Hz, 8 KVA

High Voltage Generator

Maximum Output Voltage: 225 KV
Maximum mA: 45

X-ray Tube

Maximum Potential: 225 KV
Maximum Power: 3000 W
Type: Metal Ceramic, Fixed Anode, Water Cooled
Focal Spot: 7.5 mm (per EN12543)
Inherent Filtration: 0.8 mm Be
Cooling Pump: Water-Air

Dose Output

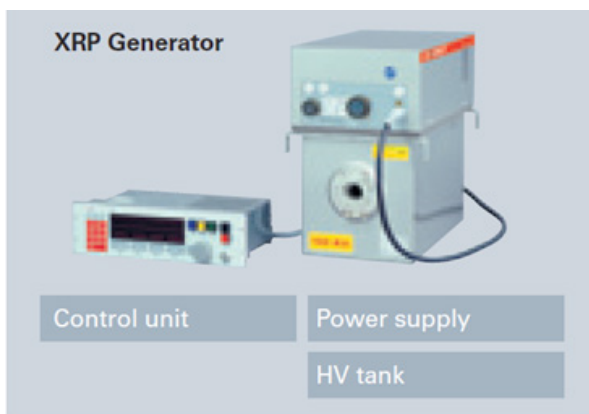
Raw Beam: \approx 12 Gy/min at 225 KV, 13.3 mA, 30 cm SSD
Filtered Beam: \approx 6.4 Gy/min at 225 KV, 19 mA, 30cm SSD,
(Filter = 2 mm Al)

Operators Control

KV Setting & Display Accuracy: 7.5 KV – 225 KV in 0.1 KV increments
mA Setting & Display Accuracy: 0.1 mA to 45 mA in 0.01 mA increments
Settings Accuracy: < 1%
Exposure Timer: 2-600 seconds or 10-99.9 minutes or continuous
Programmable Settings: 500 locations to recall exposure parameters

Additional X-ray Unit Features

Automatic warm-up



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

PXi PRECISION X-RAY