

MultiRad350

Deliver the highest dose with the most uniform depth

A compact, fully-shielded, self-contained x-ray irradiator that can be used almost anywhere, by anyone.

The MultiRad350 is designed to deliver the highest dose with the most uniform depth, ideal for very dense biological specimens and a broad range of industrial applications.

Offering a range of options, including programmable motorized shelf for infinitely variable SSDs, the system is cost effective and free of costly licensing, security and source maintenance fees, which provides a much lower cost of ownership than competitive products.

Key Features

No specialized x-ray knowledge needed to operate

Easy to use with an intuitive touchscreen control panel

Fully integrated system with closed-loop cooling

Integrated dosimeter with advanced Automatic Dose Control (ADC) for exact dose setting

Automatic warm-up and tube conditioning for extended tube life

Secure system requiring a password login

Remote diagnostics and support over the web from product specialists



MultiRad350

Cabinet Features

No additional shielding required

Adjustable sample shelf

Electrically-operated turntable to ensure uniform dosing, 2RPM

Interchangeable beam conditioning filters

Integrated closed-loop heat exchanger

Cabinet port to introduce small tubing and cables to the chamber area

Complies with US and International regulations for Cabinet X-ray systems

Interface Features

On-unit, graphical user touch-screen interface

Individual user passwords required for system operation

Programmed exposure settings and database management

Cabinet Specification

Overall dimensions:
W 43"(108cm) x D 35"(88cm) x H 74"(188cm)

Irradiation Chamber:
W 16"(41cm) x D 17"(43cm) x H 23"(58cm)

Weight: 3470lbs (1575kg)

Power: 220VAC \pm 10%, 50/60Hz, single phase, 7.5 KVA

High Voltage Generator

Maximum Output Voltage: 350kV

Maximum Current: 30mA

X-ray Tube

Max. Potential: 350kV / 11.4mA

Max. Power: 4000 W

Focal Spot: 8mm

Inherent filtration: 3mm Beryllium

Beam angle: 40° divergence

Beam coverage range: 3.6" (9cm) – 16.0" (40cm) diameter

Source to sample range: 5.2" (13cm) – 26.0" (65cm)

Dose Output

Up to 140 Gy/min at 225KVp, 17.8mA (unfiltered)

Up to 40 Gy/min at 225KV, 17.8mA (1.2mm Cu HVL)

Up to 17 Gy/min at 225KV, 17.8mA (4.0mm Cu HVL)

Operators Control

Exposure Time: programmable or continuous

Options

Programmable Motorized Shelf

Fixed Beam Collimator

Adjustable Beam Collimator

Automatic Filter Selection

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