

MultiRad 350

350kV X-Ray Irradiation System

The smaller, simpler, safer alternative to radioisotope irradiators.
Faxitron's MultiRad350 is designed to deliver the highest dose with the most uniform depth. It is ideal for very dense biological specimens and a broad range of industrial applications.



MultiRad 350

The MultiRad350 is a fully-shielded, self-contained x-ray irradiator that can be used almost anywhere, by anyone. There are no costly licensing, security, or source maintenance fees providing a much lower total cost of ownership than radioisotope irradiators.

The fully integrated system includes turntable with programmable dosimeter, touch screen control panel and closed-loop cooling.

Contact us today!

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Features & Benefits

- ____ No additional x-ray shielding required
- ____ No specialized x-ray knowledge needed to operate
- ____ Prescriptive, touchscreen control interface for ease-of-use
- ____ Password login for system security
- ____ Automatic warm-up and tube conditioning for extended tube life
- ____ Electrically-operated turntable to ensure uniform dosing
- ____ Integrated dosimeter with advanced Automatic Dose Control (ADC) for setting exact dose
- ____ Interchangeable beam conditioning filters
- ____ Port for ventilation and introducing auxiliary tubes and/or cables
- ____ Fully integrated, closed-loop cooling system
- ____ Remote diagnostics and support over the web
- ____ Optional programmable motorized shelf for infinitely variable SSDs (manual adjustable shelf included)
- ____ Optional fixed or adjustable beam collimators

Specifications

Energy range	up to 350kV
Tube current at max voltage	11.4mA
System power	4000W
Focal spot size	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)
Exposure time	programmable or continuous
Power requirements	220 VAC +/- 10 %, 50/60Hz, single phase, 12kVA
Cooling	integrated closed-loop heat exchanger
Specimen turntable	electrically-operated, 2 RPM
Chamber dimensions	23" H x 16" W x 17" D (58cm x 41cm x 43cm)
External dimensions	74" H x 43" W x 35" D (188cm x 108cm x 88cm)
Weight	3470lbs (1575kg)

