

MultiRad160

160kV X-Ray Irradiation System

The smaller, simpler, safer alternative to radioisotope irradiators. Precision's MultiRad160 is ideal for irradiating larger cell cultures and/or superficial small animal irradiation.



MultiRad160

The MultiRad160 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.

Contact us today!

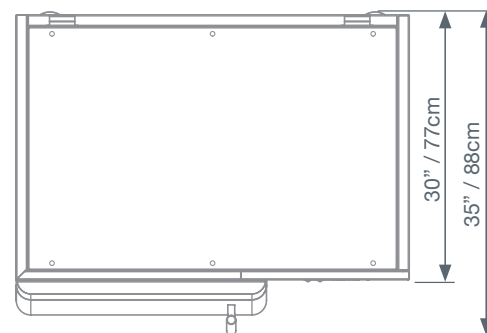
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Features & Benefits

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 imaging upgrade available with 23cm x 29cm high-resolution CMOS detector
Optional Adjustable Collimator and Automatic Filter Selection
Tested to meet US and International safety and electrical requirements



Specifications

Energy range	up to 160kV
Tube current at max voltage	25mA
System power	4000W
Dose rate (160kVp, 25mA)	up to 300Gy/min (unfiltered)
	up to 32Gy/min (2mm Al)
	up to 16Gy/min (0.3mm Cu)
Focal spot size (EN 12543)	5.5mm for irradiation
	1.2mm (<0.5mm IEC) for imaging
Inherent filtration	0.8mm Beryllium
Beam angle	40° divergence
Beam coverage	3.6" (9cm) - 16.0" (40cm) diameter
Source to sample distance	5.2" (13cm) - 26.0" (65cm)
Exposure time	programmable or continuous
Power requirements	220 VAC +/- 10 %, 50/60Hz, single phase, 7.5kVA
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	2120lbs (960kg)

