

SR100 X-ray Irradiator

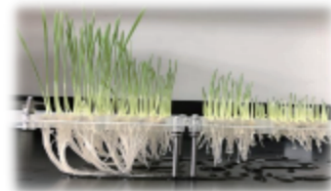


Technical Features

- Excellent performance X-ray tube and generator.
- No natural radioactivity, good choice for replacing Cs-137 irradiators.
- Self-shielding, no additional special shielding required.
- High precision turntable ensures good irradiation dose uniformity.
- Touch screen control panel for easy operating.
- Built-in Integrated cooling system ensures less floor space.
- Easy to replace the filters.

Application

SR 100 is suitable for the research of sterile-insect, mutation breeding, etc.



Technical parameters

Type		SR100
X-ray tube	Maximum voltage	160kV
	Maximum power	6000W
	Inherent filtration	4.0mm Beryllium
	Radiation coverage	50°
	service life time	≥2000h
Source to sample distance		15-45cm
Dose rate (36cm SSD, in 0.5g/cm ³ powder)	No filter	>5.5Gy/min
	0.15mm Cu filter	>3.2Gy/min
Maximum turntable speed		4 rpm
Input power		10kW
Input voltage		AC 380V, 50Hz
Irradiation chamber dimension(H×W×D)		37×35×46cm
Cabinet dimension		113×80×175cm
Operating temperature range		5 °C ~30°C
Maximum relative humidity for operating		75%
Maximum environmental dose rate		≤1.0μSv/h
Option 1	Irradiation chamber temperature control system	
Option 2	Automatic recognizing filter module	
Option 3	Real-time dose rate measurement module	
Option 4	Insects/seeds container customization	



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