

# RS 2500

**Powerful,  
Reliable,  
and Safe**



Rad Source Technologies RS 2500 specializes in providing non-isotope, ionizing irradiation. Ionizing radiation that is similar to the radioactive sources, cobalt-60 and cesium-137. However, unlike the gamma radiation being generated by the unstable radioactive sources, the RS 2500 utilizes Rad Source's patented technology to generate multiple 4pi X-ray ionizing radiation fields *without* a radioactive source. Because there is no radioactive source, the RS 2500 is much safer and less expensive to own and operate.

## Technical Specifications\*

- Dose Rate: 900,000 rad/h (9.0 kGy/h)
- Beam Uniformity: Better than  $\pm 7\%$
- Number of Canisters: 1 per cycle or up to 4 vial holders
- Processing Canisters: Diameter 3" (7.62cm) to 7" (17.78cm), height 8" (20.32cm)
- Cabinet Dimensions: Length 82" (209cm), Width 33" (84cm), Height 51" (130cm)
- Cabinet Weight: Net 5439 lbs (2467 kg)
- Power Requirements: US 208 VAC, European 400 VAC
- Cooling system with high capacity water to air heat exchanger (external unit)
- Dual 4pi Au Target Emitters (capable of adding an additional 2, 4pi Target Emitters)

\*Technical specifications are subject to change, please contact your Rad Source representative for the most current information.

## Applications

Radiation Effects on Electronics/Materials

Sterilization

Polymer

- Recombination
- Cross-linkage
- Chain scission

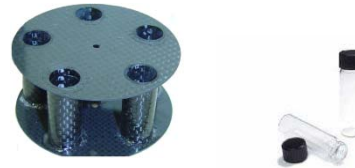
Space Studies

Food Processing

Plant Mutation

Virus Inactivation

Other Forms of Research



## Features and Benefits

- Just-In-Time supply management helps to control costs
- Safe, the unit is self-shielded with no radioactive source
- Secure, system is password protected
- Turn-key installation
- Easy to operate using a simple, easy-to-read touch pad
- Service and Support – 12 month full warranty and a 24 month X-ray tube warranty
- 5SAP – 5-year Source Assurance Program eligible
- Does not require a US Nuclear Regulatory Commission (NRC) license
- Industry accepted ISO 11137:2006 and EN 552



Leading the Way in Non-nuclear Irradiation

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