

# RS 2400

Rad Source Technologies RS 2400 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 2400 utilizes Rad Source's patented technology to generate a 4pi X-ray ionizing radiation field *without* a radioactive source. Because there is no radioactive source, the RS 2400 is much safer and less expensive to own and operate.

## 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

## Technical Specifications\*

- Dose Rate: 4.2 kGy/h (0.42 Mrad/h) based on product density
- Beam Uniformity: Better than  $\pm 7\%$
- Number of Canisters: 5 – 7 per cycle based on product density and unit configuration
- Processing Canisters: Diameter 3" (7.62 cm) to 7" (17.78 cm), height 8" (20.32 cm)
- Cabinet Dimensions: Length 72" (183 cm), Width 33" (84 cm), Height 51" (130 cm)
- Cabinet Weight: Net 2350 lbs (1066 kg)
- Power Requirements: US 208 VAC, European 400 VAC
- Cooling system with high capacity water to air heat exchanger (external unit)
- Single 4pi Au Target Emitter

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

## Applications

### Sterile Insect Technique (SIT)

### Medical Device Terminal Sterilization

### Polymer

- Recombination
- Cross-linkage
- Chain scission

### Food Processing

### Stem Cell Research

### Virus Inactivation

### Other Forms of Research

