



Industrial X-ray Technology for Quality and Safety

Polaris® Controllers;

- AC-100 Series ▶ Standard low cost controller
- MC-250 Series ▶ Fully Loaded, full featured
- SC-500™ ▶ Remote access diagnostics

Polaris® Generators;

- 160kV ▶ Ultra High Frequency
- 225kV ▶ Most stable & efficient generator available
- 320kV ▶ No oil for insulation or generator cooling
- 450kV ▶ **Manufactured in the USA by Kimtron Inc.**

Polaris® 3500-WA Tube-cooler™ ▶ Heat Exchanger



Medical - Specimen Irradiation System Cabinet

Benefits:

- Environmentally safe, responsible design
- No hazardous nuclear waste or disposal issues
- Highly efficient power conversion devices (>90%)
- Self contained closed loop cooling system
- No potential for oil to leaks or cooling spills



IC Series™ Specimen Irradiation System;

Intended for use in the precise, repeatable irradiation of biological specimens in a research environment. **A cost effective replacement for obsolete Cesium irradiators** that employs an electrically generated irradiation source completely contained in a shielded cabinet **to safely irradiate biologicals** in a laboratory environment, no licensing is required. The source of radiation consists of; a precision, state of the art high frequency x-ray generator, a liquid cooled, metal-ceramic x-ray tube with closed loop heat exchanger, and a state of the art, computer-based, user friendly control console. X-Ray Beam Filter, Applicator Sets and Variable Light Field Collimator kits are offered as standard equipment.



Great North Technologies



International Distribution Services;

- **X-ray Systems** - Industrial & Medical
- **Field Service Repairs** - 24 hrs a day, 7 days per week
- **Upgrades and Retrofit Work** – performed in the field
- **Preventive Maintenance** - Service Contracts
- **X-Ray Tube Repair Center** – Comet & Varian tubes
- **Repair Services** – Gulmay, Pantak, Philips, TFI & UVC



X-ray Accessories & Parts;

System Accessories;

- Kimtron - Auxiliary Tube-Temp. Sensor
- Kimtron - High Voltage Safety Interlock Switch
- Kimtron - PC-based controller software
- Kimtron - I/O Box, Peripheral Interface

X-ray Tubes;

- Metal-ceramic
- Fan-beam
- Varian therapy - medical
- Security systems

Spare Parts;

- Polaris® Controllers - Fully Supported
- Polaris® Generators - Fully Supported
- IC Series™ - Fully Supported

HV Cables;

- Many standard sizes in stock

