



The XRVC Controller (XRVC) provides intuitive, touch screen driven programming and control of any of Spellman's popular XRVC Series of X-Ray generators. This sophisticated and robust controller was designed using an embedded computing system running a custom Graphical User Interface (GUI). The GUI, embedded computer and ancillary hardware are housed in a rugged rack mount or bench top chassis. Capability of the XRVC include: creation of custom X-Ray tube seasoning profiles, one shot or continuous user fabricated operational profiles, automatic X-Ray tube configuration and much more.

### SPECIFICATIONS

#### Input Voltage:

180-264Vac, 50/60Hertz

#### Dimensions:

Rack mount:

5.25"H x 19"W x 13"D (133.35mm x 482.6mm x 330.2mm)

Bench top:

5.21"H x 17"W x 13"D (132.35mm x 431.8mm x 330.2mm)

#### Weight:

12 lbs (5.44kg)

#### Input Power Connector:

14 pin circular connector type 97-3102A-22-19P

#### Environmental:

Temperature Range:

Operating: 0°C to +50°C

Storage: -20°C to +80°C

Humidity:

0% to 95% RH

#### Cooling:

Convection cooled

#### Regulatory Approvals:

Compliant to EEC EMC Directive. Compliant to EEC Low Voltage Directive. RoHS Compliant

### ADVANCED CONTROLLER FUNCTIONALITY

#### Seasoning

- Ability to create, save and load customized seasoning profiles (Default profiles are included)
- Real time seasoning progress, elapsed time and remaining time clocks
- Automatic notice when seasoning is required

- Intel Atom N270 CPU @ 1.6GHz
- 1GB Ram
- 7" Touch Screen LCD @ 800 x 600
- Intel 945 Express Graphics
- 10/100/1000Mbit Ethernet
- RS-232 Serial Ports
- 160GB Internal Hard Drive

#### Communications

- Ability to communicate with the XRVC over RS-232 serial port
- Ability to communicate with the XRVC over a direct crossover Ethernet connection or Ethernet switch

#### One Shot Profiles

- Ability to create, save and load customized one shot profiles
- Verification of profiles within the operating capabilities of the connected XRVC unit

#### X-Ray Tube Selection

- Specific X-Ray tubes automatically configures the system with the recommended manufactureres operational profiles
- Supported tubes for automatic configuration can be uploaded into the XRVC

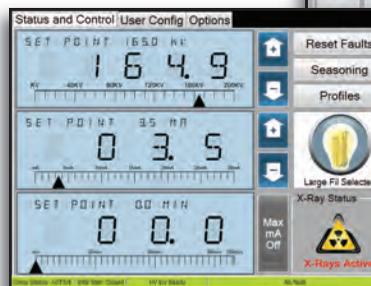
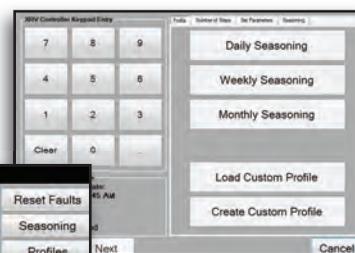
#### Easy to Use

- Intuitive, touch-centric, menu driven system allows operator use with little to no learning curve.
- Communication settings are retained by the XRVC, requiring only a single configuration session.
- Comprehensive status/control screen provides information on all critical operational parameters and system status indicators.

### SOFTWARE FEATURES

- Designed for compact, touch centric environment
- Integrated on screen keyboard provides rich input capabilities for operation without an external keyboard
- Adaptive software detects XRVC controller and configures accordingly
- Dynamic feedback allows control of unit with real time viewing of the output

Seasoning Screen



Status and Control Screen