

thermionics laboratory, inc.

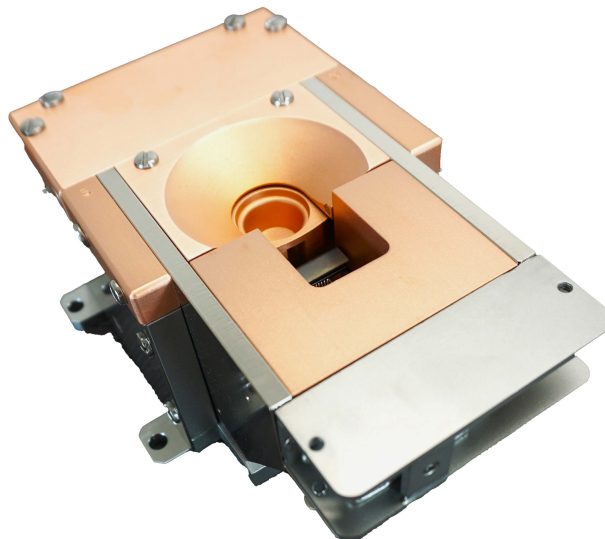
RC Series – Multiple Crucible Rotary 3kW e-Gun™

Research Capacity electron beam evaporation sources

Thermionics introduces a new line of 3 kW e-Guns. The Research Capacity series provides enhanced beam stability and efficient XY sweep with full crucible coverage. Plug-in emitter assemblies and sweep coil assemblies make the sources easier to service. The line includes a full spectrum of power supplies, sweep controllers and accessories, including crucible liners.

Features

- True XY sweep with full crucible coverage
- Sweep coils included with source
- Enhanced beam culmination
- Plug-in emitter module
- Enhanced high-stability cooling
- Cross-contamination shielding
- Rugged design
- Interchangeable crucibles
- High Vacuum compatible



RC Series Multiple Crucible Rotary e-Gun

Specifications

| | |
|-----------------------------|---|
| Operating pressure | Below 5×10^{-5} Torr is desirable for best operation |
| Beam voltage | 4,000 VDC |
| Beam current | 0-750 mA continuously variable |
| Maximum power | 3 kW |
| Cooling water | 1.5 gpm |
| Pressure differential | 25 psi minimum |
| Maximum bakeout temperature | 120°C |
| Crucible volume | 2.24cc or 4cc x 4, 6 or 8 crucibles |

Ordering Information

| Description | Model No.* |
|--|------------|
| Multiple Crucible e-Gun source with sweep coils, rotary 4-crucible | RCR0304-SD |
| Multiple Crucible e-Gun source with sweep coils, rotary 4-crucible | RCR0304-BD |
| Multiple Crucible e-Gun source with sweep coils, rotary 6-crucible | RCR0306-SD |
| Multiple Crucible e-Gun source with sweep coils, rotary 6-crucible | RCR0306-BD |
| Multiple Crucible e-Gun source with sweep coils, rotary 8-crucible | RCR0308-SD |
| Multiple Crucible e-Gun source with sweep coils, rotary 8-crucible | RCR0308-BD |

* Note: SD denotes side drive, BD denotes bottom drive.