thermionics laboratory, inc.

Hanks HM^2 Triad e-Gun™

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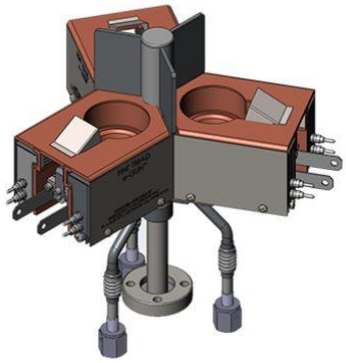
Thermionics introduces Triad pocket 6 and 10 kW HM^2 e-Guns. The HM^2 Triad series provides unique modular magnetic design producing a more efficient electron beam. The Hyper-Unimelt 200 Hz sweep eliminates tunneling and source material eruptions. Plug-in emitter assemblies and sweep coil assemblies make the sources easier to service. Easy filament alignment, more efficient electron collimation, minimal filament distortion and elimination of electron trials. Perfect for co-evaporation!

Features



- Elimination of beam curl
- UHV rated sweep coils included with source (200 Hz)
- Elimination of pole pieces
- Easy filament alignment
- More efficient electron collimation
- Minimal filament distortion
- Elimination of electron tails

Specifications

Operating Pressure	Below 5 x 10^{-5} Torr is desirable for best operation
Power Output	-7.5 to -10 kV
Filament	12 VAC 60A
Maximum Power	10 kW
Cooling Water	9 gpm
Pressure Differential	50 psi minimum
Maximum Bakeout Temp.	230°C
Crucible Volume	10, 15 or 40 cc

Ordering Information

Description	Model No.
10 cc HM^2 Triad series e-Gun, 6 kW	T0610
10 cc HM^2 Triad series e-Gun, 10 kW	T1010
15 cc HM^2 Triad series e-Gun, 10 kW	T1015
40 cc HM^2 Triad series e-Gun, 10 kW	T1040