

**thermionics  
laboratory, inc.**

## HCL Series e-Gun™

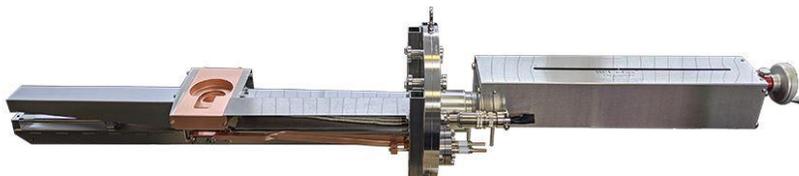
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### *HCL Series e-Gun*

Thermionics introduces HCL Series 6, 10 and 15 kW e-Guns. The High 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
- UHV rated sweep coil
- Auto or manual crucible indexing



### Specifications

Operating Pressure	Below $5 \times 10^{-5}$ Torr is desirable for best operation
Power Rating	6, 10 or 15 kW
Filament	12 VAC 60A
Maximum Power	15 kW
Cooling Water	2 gpm
Pressure Differential	25 psi minimum
Maximum Bakeout Temp.	230°C
Crucible Volume	7, 10, 15, 25, 40 or 75 cc

### Ordering Information

Description	Model No.
7 cc HCL series e-Gun, 6 kW, 3, 4, 5, or 6+ pockets	HCL-0607-X
10 cc HCL series e-Gun, 10 kW, 3, 4, 5, or 6+ pockets	HCL-1010-X
15 cc HCL series e-Gun, 10 kW, 3, 4, 5, or 6+ pockets	HCL-1015-X
25 cc HCL series e-Gun, 10 kW, 3, 4, 5, or 6+ pockets	HCL-1025-X
40 cc HCL series e-Gun, 10 kW, 3, 4, 5, or 6+ pockets	HCL-1040-X
75 cc HCL series e-Gun, 15 kW, 3, 4, 5, or 6+ pockets	HCL-1575-X