

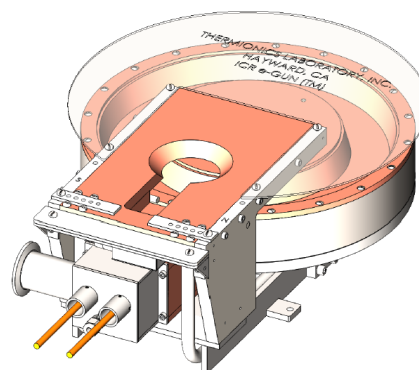
IC Series – Large Capacity 15 kW e-Gun™

Industrial Capacity Rotary Electron Beam Evaporation Series

Thermionics IC e-Gun (ebeam) is available with capacity up to 17800 cc in a pan configuration or as a multi-pocket with up to ten (10) 75 cc crucibles. The Industrial 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
- UHV rated sweep coils included with source
- Enhanced beam culmination
- Plug-in emitter module
- Enhanced high stability cooling
- Emitter pump-out design for oxygen environments
- Rugged design
- Long life emitter assembly
- Permanent magnet beam positioning



Specifications

Operating Pressure	Below 5×10^{-5} Torr is desirable for best operation
Emission Voltage	10,000 VDC
Beam Current	0-1500 mA continuously variable
Maximum Power	15 kW
Cooling Water	3.5 gpm
Pressure Differential	25 psi minimum
Maximum Bakeout Temp.	230°C
Crucible Volume	1500 or 1172 cc (carousel), 9 pocket 100 cc, 9 or 10 pocket 75 cc, 1780 cc (pan), combo, banana 4 pocket

Ordering Information

Description	Model No.
IC e-Gun source, 1500 cc	ICR-1500-1
IC e-Gun source, 1172 cc	ICR-1172-1
IC e-Gun source, 9 x 100 cc	ICR-100-9
IC e-Gun source, 10 x 75 cc	ICR-75-10
IC e-Gun source, 9 x 75 cc	ICR-75-9
IC e-Gun source, 1780 cc	ICR-1780-PAN
IC e-Gun source, combo, banana 4 x	ICR-CB-4