

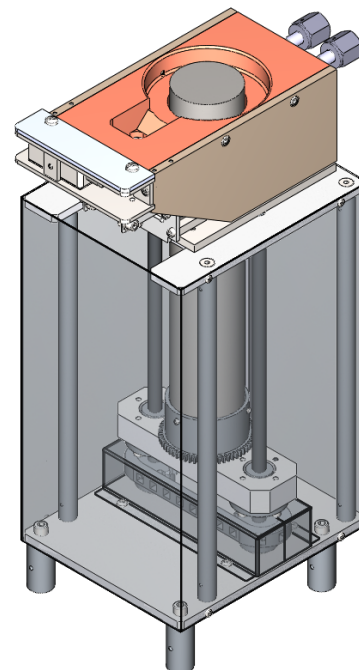
HCRF Series 6kW+ Rod-Fed e-Gun™

High Capacity Rod-Fed electron beam evaporation source:

Thermionics introduces 6kW+ Rod-Fed e-Guns for better coating performance. The design protects the emitter from damage and shorting during installation and service. The improved water-cooling system enhances heat transfer, which increases rate stability and prevents damage to the e-beam source.

Features:

- 6kW+ e-Gun sources
- Pedestal mount, chain driven material actuation
- 1" or 2" O.D. Rod-Fed material for continuous evaporation, manual or motorized azimuthal rotation of Rod-Fed material
- Completely shielded emitter
- Fully UHV compatible



Specifications:

Operating pressure	Below 5×10^{-5} Torr is desirable for best operation
Beam voltage	6kV to 10kV
Beam current	0-750 mA continuously variable
Maximum power	6kW, 8kW and 10kW
Cooling water	1.5 gpm
Pressure differential	25 psi minimum
Maximum bakeout temperature	230°C
Crucible volume	1" or 2" diameter rod; 6" standard length
e-Gun size	1" or 2" diameter x 6" height

Ordering Information

Description	Model No.
Rod-Fed e-Gun only	HCRF-0XX00
Rod-Fed e-Gun with pedestal mount	HCRF-0XX00/PM