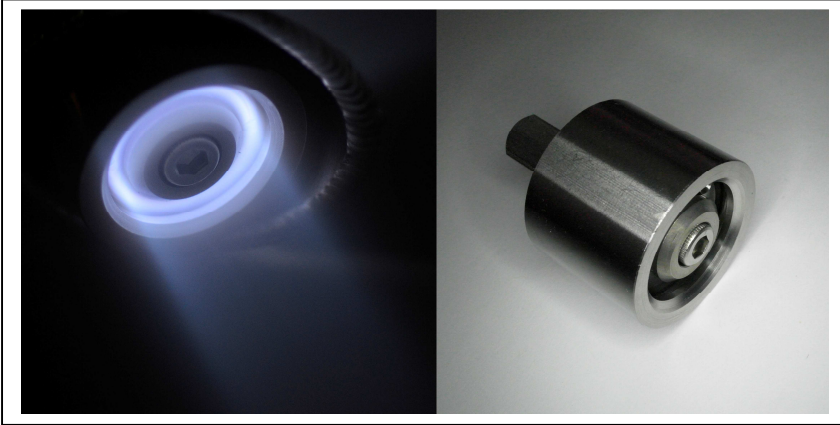


## Anode Layer Ion Source



### Applications

- Surface cleaning
- Sputtering
- Coating
- PACVD
- Surface nano-texturing / etching
- Neutron generators (IEC / beam on target)
- Plasma source for diagnostic calibration

### Specifications

- Typical operating pressure range: 0.1-20 mTorr
- Typical operating voltage: 0.5-4 kV
- Typical beam current: 6-10 mA

### Benefits

- Samarium Cobalt (SmCo) magnet operates at 300C eliminating water cooling and allowing in-situ bakeout of ion source.
- SmCo immunity to hydrogen embrittlement allows use as a deuterium source in neutron generator applications.
- Single electrical feedthrough for anode bias simplifies base plate design and reduces cost.
- Compact design fits in standard 2.75" conflat components.