

## ELS100 Electron Source



- ◆ Low Energy Electron Gun designed for Electron Loss Spectroscopy (ELS)
- ◆ Beam Energy variable 5 to 100eV
- ◆ Low Energy Spread  $\sim 0.25\text{eV}$  FWHM using LaB6 or BaO filament
- ◆ 1mm typical spot size
- ◆ Beam current monitor with sample biasing voltage
- ◆ Mu-metal magnetic screen.
- ◆ Front Panel Control of Kinetic Energy, Filament Current, Wehnelt (Grid), Anode, Focus and Beam Deflection
- ◆ External Kinetic Energy sweep (e.g. by Computer Control)
- ◆ X-Y static deflectors for beam positioning on sample
- ◆ Mounting flange : 70mm (2.75") OD CF
- ◆ Manufactured to suit your chamber sample – flange distance
- ◆ Bakeable UHV compatible construction with single multiway electrical feedthrough