

# MINI-EOC

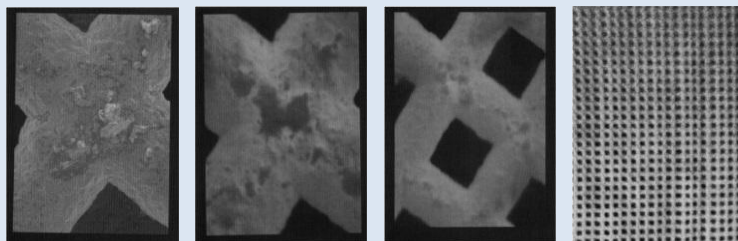
**APCO**



## Electron optical column for surface analyses and measurements

### Features

- Low energy electron source
- Large current density
- Mountable on CF114
- Bakable
- Small size (beam path ~ 100mm)
- Isolation valve built in



2000V

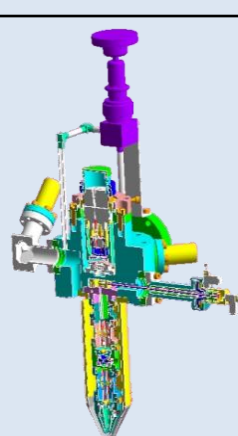
1000V

100V

30V

SEM images of Cu 400 mesh (L&S: 32 $\mu$ m)

### Specifications

Acceleration voltage $V_A$		~5000V	
Probe current $I_p$		$3 \times 10^{-12} \sim 10^{-8}A$	
Minimum probe size		~10nm ( $V_A = 5000V, I_p = 2 \times 10^{-10}A, WD = 6mm$ )	
Specimen Chamber		$< 2 \times 10^{-3}Pa$	
Bakable		~150°C	
Base Flange		CF114	
Weight		~20kg	
Con-Struc-tions	Gun	ZrO/W emitter	
		Control lens	
		SIP (20 $\ell$ /s)	
		Isolation valve	
	Blanker	Electrostatic quadrupole	
	Aligner	Electrostatic octupole	
Deflector	Double electrostatic octupole		
Objective lens	electrostatic		

\* Specifications are subjected to change without notice.

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