

Scanning Electron Microscope

Principle

Obtaining images at large magnification and chemical analysis.

Manufacturer	Carl Zeiss AG
Electron Source	Tungsten cathode
Accelerating Voltage	200 - 30 000 V
Resolution	max. 3 nm at 30 kV
Vacuum	10^{-7} - 10^{-6} mbar
Detectors	SE, BSE
EDX-Detector	10 mm ² Si(Li)
Analysed Elements	starting from Be
Analysing Options	point, line, area
Max. Sample Mass	2 kg
Sample Count	max. 9
