

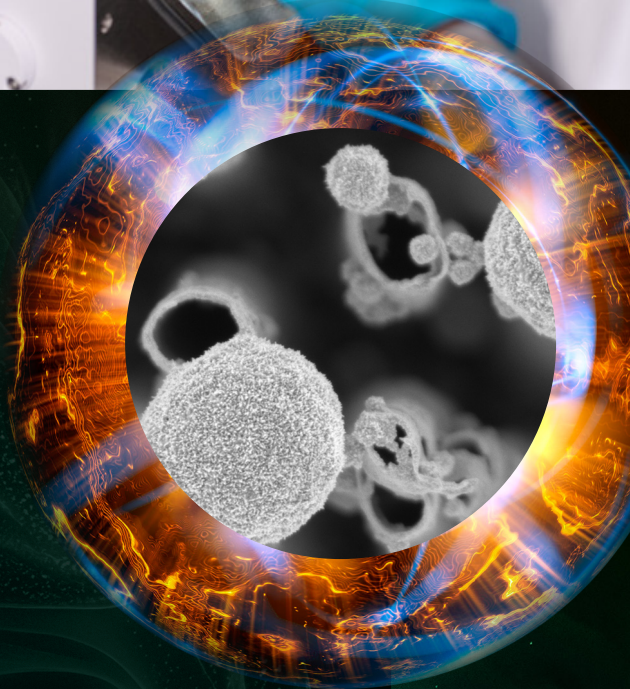
# Thermo Fisher Scientific Verios 5 UC

The **Thermo Fisher Scientific Verios 5 UC** scanning electron microscope (SEM) is equipped with a Schottky field emission source and a monochromator (UC+), which enables electron energy dispersion of less than 0.2 eV and is specified to have a resolution of 0.6 nm. Sample analysis can be performed at a range of accelerating voltages from 200 V to 30 kV. The integrated in-column detection system enables simultaneous detection of topography and material contrast. Verios 5 UC allows simultaneous imaging in transmission mode using the STEM3+ detector. Chemical composition analysis can be performed using an EDX detector and Pathfinder software with optimized conditions for spectral resolution and quantitative evaluation.



## Key Features

- High-resolution imaging at low landing energies with the use of a monochromated beam
- Simultaneous topography (ETD, TLD) and Z-contrast (MD, ICD) imaging
- STEM imaging with the use of a segmented STEM3+ detector
- Automated mapping of big areas with the use of MAPS SW
- EDS analysis with integrated ThermoFisher EDS detection system
- Correlation microscopy with XPS



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