Thermo Fisher (FEI)

Apreo C LoVac

Process Type: FA SEMs/TEMs/Dual Beams

Date of Manufacture: 2018

Equipment Information:

Apreo C LoVac FESEM with electrostatic final lens

Resolution:

15kV – 1.0nm

1kV – 1.3nm

1kV (decel) 1.0nm

Low Vacuum:

15kV - 1.2nm

3kV – 1.8nm

System includes EDX

Stage and sample	
Type	Eucentric goniometer stage, 5-axes motorized
XY	110 × 110 mm
Repeatability	< 3.0 µm (@ 0° tilt)
Motorized Z	65 mm
Rotation	n × 360°
Tilt	-15° / +90°
Max. sample height	Clearance 85 mm to eucentric point
Max. sample weight	500 g in any stage position (up to 2 kg at 0° tilt)
Max. sample size	122 mm diameter with full X,Y, rotation (larger samples possible with limited stage travel or rotation)