

FEI TECNAI F20 Datasheet

Work voltage: 200kv/120kv

Specimen Size: 3mm diameter

Sample holder:

- Single tilt holder: α tilt(x axis) -40 degree to +40 degree
- Double tilt holder: α tilt(x axis) -40 degree to +40 degree
 β tilt(y axis) -30 degree to +30 degree
- Tomography holder α tilt(x axis) -70 degree to +70 degree
- Double tilt Cryo holder (for bio sample and beam sensitive sample)
 α tilt(x axis) -40 degree to +40 degree
 β tilt(y axis) -30 degree to +30 degree

Applications:

- HRTEM point resolution: 0.23nm
Line resolution : 0.11nm
- TrueImage Take 20 HRTEM at different defocus and reconstruct with TrueImage offline software, obtain directly interpretable HRTEM images.
- Information limit: 0.09nm
- TrueImage Take 20 HRTEM image at different defocus and reconstructed
- HAADF-STEM Point resolution: 0.18nm
- EDX Point analysis, line scan, mapping.
- 3-d image Use tomography holder, get a serial of image tilted from -70 to 70 degree, and reconstruct those image using offline software to Obtain 3-D image.