



JEOL JEM-2100Plus: Un potente e versatile S/TEM multi-purpose

UniGE - OpenLab































TOPICS

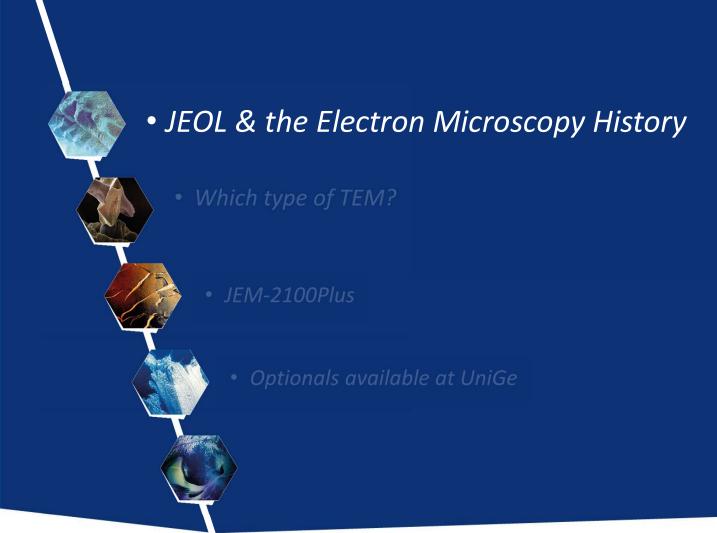


• Which type of TEM?

• JEM-2100Plus

• Optionals available at UniGe







JEOL = Japan Electron Optics Laboratory

XPS

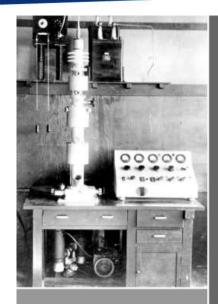


Founded in 1949, is a world leader for scientific instruments thanks to more than 70 years of experience : **Electron Optics SEM** TEM **EPMA Analytical Instruments** Sample Preparation **NMR Cross-Section** Sputter Coater MS Polisher (SEM)

FIB

JEOL = Japan Electron Optics Laboratory





JNM-1, Japan's first nuclear magnetic resonance system, completed

JSM-1 Scanning electron microscope completed

1949

Japan Electron Optics Laboratory Ltd. established

JEM-1 Electron Microscope completed





1961

Company name changed to JEOL Ltd.

1964







Which type of TEM?



□ JEOL can provide a wide range of TEM!







PROPRIETARY & CONFIDENTIAL

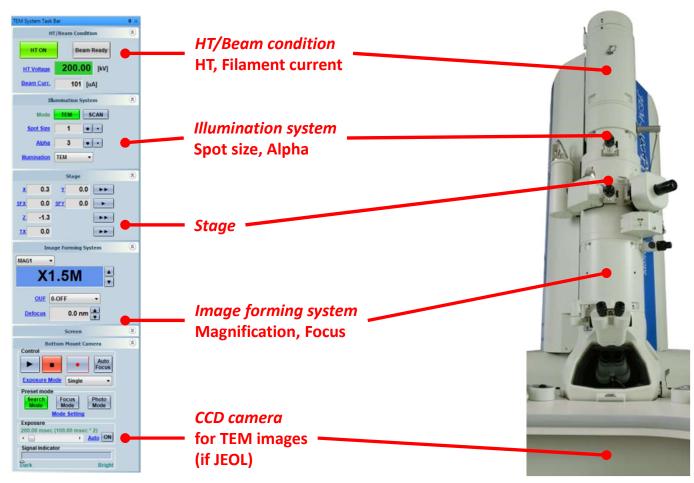




New Operation Software "TEM Center"



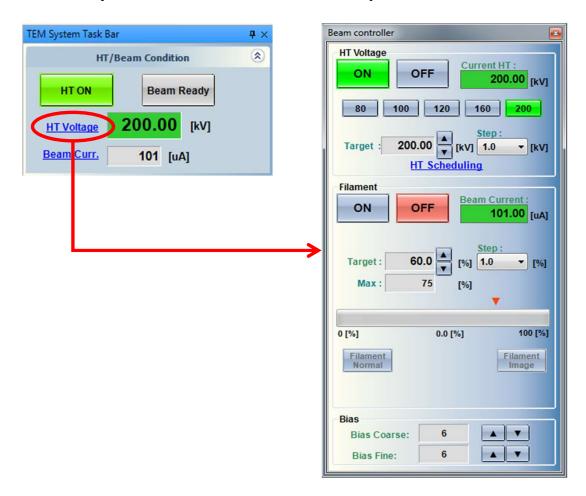
Easy and Intuitive operation



New Operation Software "TEM Center"



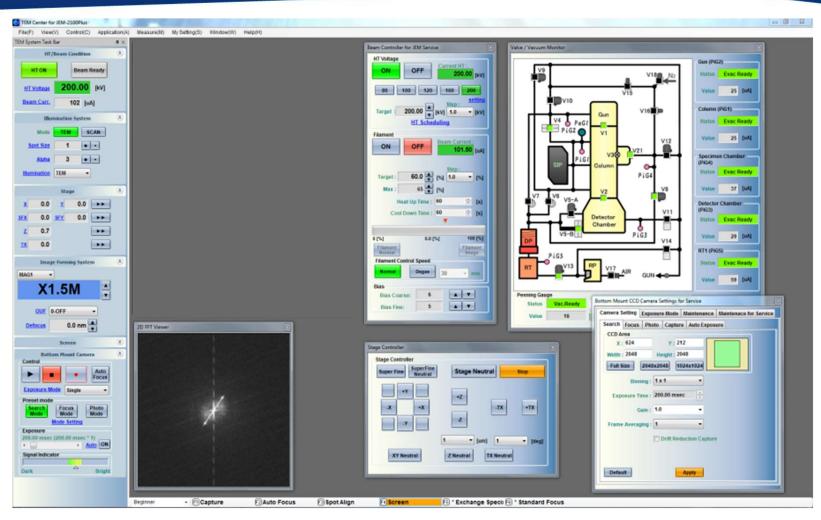
Easy access to advanced operation window



PROPRIETARY & CONFIDENTIAL

New Operation Software "TEM Center"

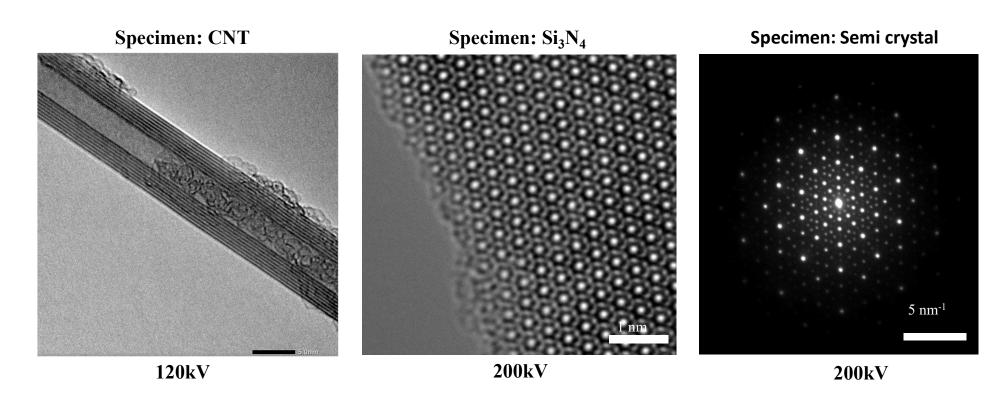




TEM mode



Parallel beam for ultrastructures information and diffraction





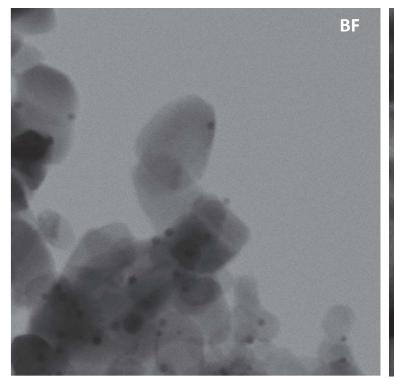


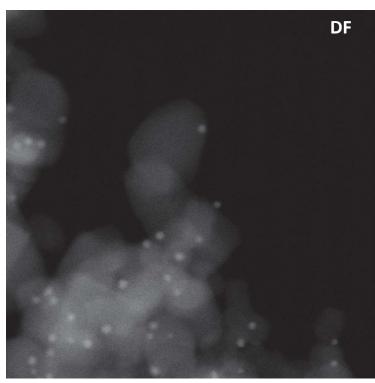
BF/DF STEM integration



Single click to switch from TEM to STEM







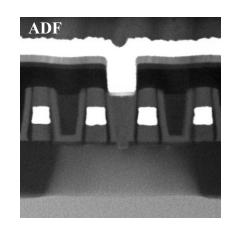
____ 10 nm

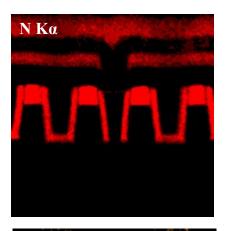
Sample: Au/TO₂

EDS integration

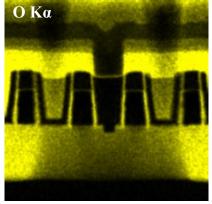


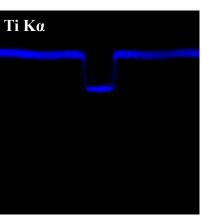
Chemical composition can be quickly defined

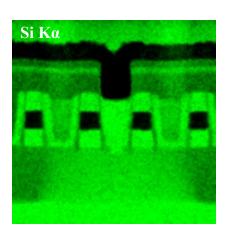


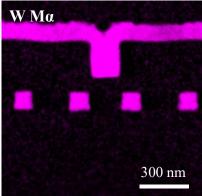


Ρ Κα





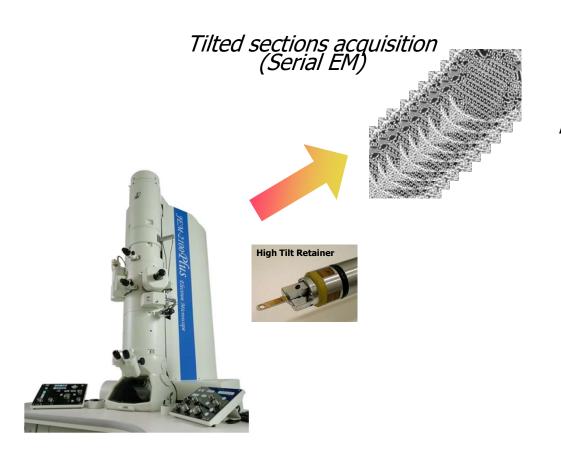


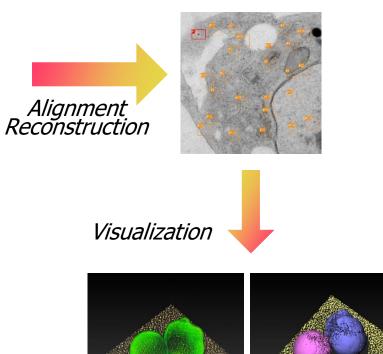


3D Tomography



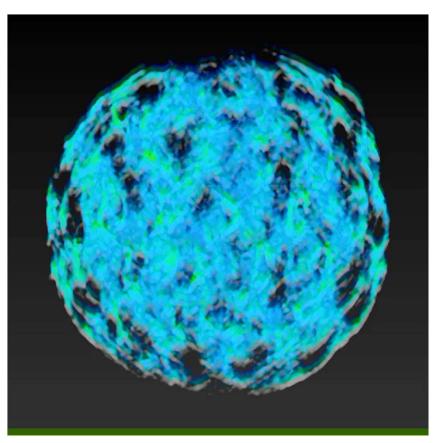
From 2D to 3D information





PROPRIETARY & CONFIDENTIAL

From 2D to 3D information



Sample: porous nanoparticles

Thank you for your attention



www.jeol.it



