

SEM1
Operation of Scanning Electron Microscope: Jeol JSM-5510

Getting started:

1. Turn ON monitor
2. Click SAMPLE icon to exchange specimen
Wear gloves to keep chamber clean while exchanging specimen
3. VENT chamber following instructions on screen
4. insert sample holder in chamber
5. EVAC chamber following instructions on screen
6. Click HT READY icon to turn ON beam

Shutting down:

1. Click HT READY icon to turn OFF beam
2. Return STAGE to median positions: X= 23.5mm Y= 25mm r= 0° T= 0° z= ~20mm
3. Click SAMPLE icon to exchange specimen
Wear gloves to keep chamber clean while exchanging specimen
4. VENT chamber following instructions on screen
5. Remove sample and insert test stub in chamber
6. EVAC chamber following instructions on screen
7. Remove images from file by:
 - A. Burning CD
 - a. click NERO EXPRESS icon on desktop
 - b. insert CD and choose DATA type
 - c. ADD image files
 - d. BURN CD
 - B. Use external USB drive
8. Turn OFF monitor