



Simplified schematic diagram of the basic components of an SEM.

a common SEM has double condenser lens to demagnify the electron beam (from Electron GUN) down to nanometer scale.....

need a well "sync" system to get final SEM MICROGRAPH....

to do SEM at a higher magnification should be relatively easy... just reduce the scanning step...

but at lower magnification, sometimes you could not make it work due to the limited SEM scan range... instead, you can move SEM stage, so called COMBO scan...