

CAUTION!!

- **Do not hit the lens with your sample!**
This is the most expensive mistake you are likely to make!
Tilt samples very carefully!
Know where your sample is in the vacuum chamber.
Lower and set tilt back to 0 before removing sample.
These cautions apply to the EDS detector also.
- **Know how to saturate the filament!**
The filament will fail if you turn the filament current up too high. Failure can also be caused by using the manual gun bias incorrectly.
- **Only "clean" samples in SEM!**
Use only samples that will not outgas in a vacuum system. If you have any questions about a particular sample, contact McGruer or Oliver. Carbon or silver paint used to attach samples should be completely dry. Outgassing may cause premature filament failure and will degrade the overall performance for all users.
- **Retract Kevex EDS system!**
Unless you are using the Kevex system, retract it to the 60mm position on the gauge.