

Bruker D8 Discover Laser and Video Alignment procedure

Purpose:

Align the Laser and camera to stage. Facilitates proper instrument and sample alignment.

Laser Alignment

1. Open *Commander*
2. Adjust Stage Z to “0 mm”
3. Turn Laser on (Direct Mode OC16,1)
4. Open *Video*
5. Adjust light so that you can see dirt (maybe I should add pic??)
6. Rotate Stage in Phi
 - a. Watch *Video*
 - b. Is the laser spot in the center of the rotation?
7. If the laser spot is not in the center adjust Laser X and Y accordingly

Video Alignment

1. With sample still in place
2. Adjust Video X and Y accordingly to center the laser spot on the *Video* cross-hairs
3. If either X or Y don't seem to be able to move enough
 - a. Carefully loosen the “Clamp Bolt”, adjust X and Y, and re-tighten

