1. Turn on the motors (silver power supply)
   1. Verify 2 amber and 1 green LEDs are lit
2. Turn on the power for the disk (gold power supply)
3. Calibrate the amplifier
   1. 0A: 0.000V, 10uA: 4.000V
4. Bring up Linux terminal
   1. Ctrl + Alt + T
5. Navigate to the Experiment Directory
   1. /Documents/ion/experiments/bin
6. Initialize motors
   1. initxy
   2. Verify the motors have a lit green LED; they have accepted the command
7. Power the oscilloscope
8. Rotate the disc to position the wire so that is directly facing the torch tip
9. Issue movex or movexy commands to locate the wire below the torch tip
   1. movex 20, or
   2. movexy 20 0
10. Move the wire up (positive y direction is away from the torch tip) to barely touch the torch tip; verify with the oscilloscope reading
    1. movey \_1
11. Move the wire out of the torch depth
    1. movex 0
12. Set origin
    1. initxy
13. Start the cooling motor
    1. A switch on the tan box under the cutting machine
14. Start the disk motor power supply
    1. Output On
15. Start the monitor binary
    1. ./monitor
16. Adjust disk speed, if necessary. Target is ~400RPM
    1. Adjust voltage output on the disk motor power supply
17. Light the torch (Safety Glasses Required)
    1. Turn fuel on first, spark
    2. Slowly turn the oxygen on
18. Adjust flow rates
    1. Determined by the specific test being run
19. Run wire scan script
    1. ./wscan.py
    2. Follow the onscreen input prompts
20. Congratulations, you are running a test!