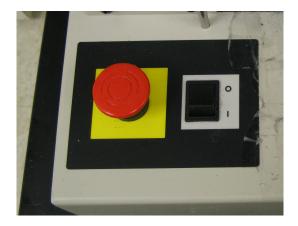
1. Make sure correct load cell and grips are properly installed.



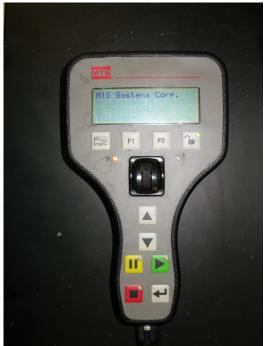
There is a 10kN and 1kN load cell make sure the appropriate one is attached to the frame.



2. To turn on the MTS insight, press the black push switch into the on position (I) located on the lower left hand corner of the load frame. Notice the location of the emergency stop button next to the on/off switch.



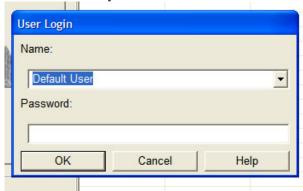
3. If the load frame position needs to be moved to accommodate the different grips, press the unlock button on the handset. Notice that a green light will be turned on. Use the up and down arrows for coarse movement and the scroll wheel for finer adjustments.



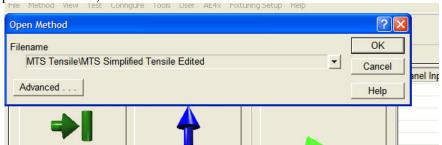
4. Start the program "TestWorks 4" located on the desktop and quick launch bars.



5. Select "Default User" from the Name drop down menu and click "OK". (There is no password for the default user but you cannot edit the details of the test)



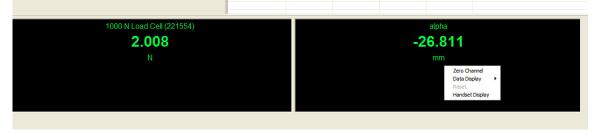
6. Select desired method when prompted then click "OK". (Click "Advanced..." to browse for a particular method)



7. Click the "Motor reset" button in the bottom right hand corner of the screen.



8. If necessary, zero out the crosshead (alpha) by right-clicking and selecting "Zero channel". (The same can be done for the load channel)



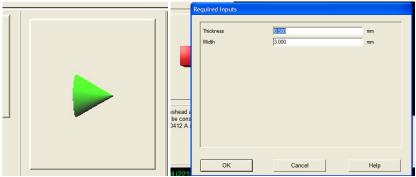
9. Load sample securely into the clamps, and place the safety shield securely against the black lip.



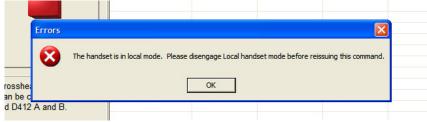
10. Per test and sample requirements, adjust the appropriate pannel inputs. (ie: test speed, frequency, grip separation)

Panel Inputs	Value	Units	Report Order	Input Order	
Data Acq. Rate	10.0	Hz			
Grip Separation	86.000	mm			
Data Acq. Rate Grip Separation Test Speed	1.270	mm/min			

11. Click the triangular green start button and enter data into the "Required Inputs" window, then click "OK".



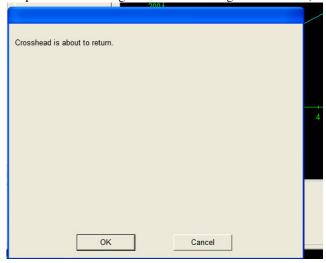
12. If an error message stating the handset is in local mode, press the unlock button on the handset so the green light is turned off.



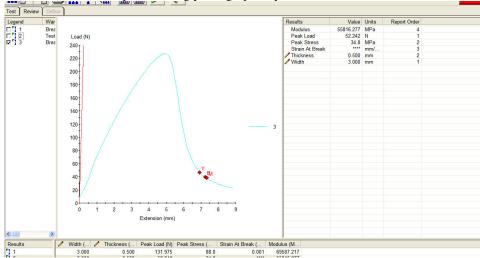
13. Test will begin. At any point during the test, you can stop the test by pressing the red square stop button either in the software or on the handset. If it is an emergency, you can stop with the emergency stop button.



14. At the end of the test run, a window will appear letting you know the crosshead is returning. Click "OK" and the crosshead will return. (to avoid sample damage, you may want to take out your sample before clicking "OK" and returning the crosshead)



15. The review will now open showing you a graph of your collected data.



- 16. In between each specimen, make sure to save (F10 key) your data in your user folder (c:\user\uniquename).
- 17. Export your data by clicking File > Export preview > Sample. This will bring up a text file containing different columns of all the data points collected from each of your specimen.
- 18. Exit program when finished and turn off the power switch on the MTS Insight Load Frame.
- 19. Log time in logbook.