

Equipment Training Sheet - MTS Insight 10

Name: _____

Position: _____

Department: _____

Phone: _____

e-mail: _____

Director: _____

Staff Initials	Trainee Initials	
		<p><u>Anyone needing access to MSE equipment needs to contact MSE tech staff:</u></p> <ul style="list-style-type: none"> • For initial training • For subsequent usage (will receive equipment card) • No secondary training of the equipment
		<p><u>Review of hazards, controls, personal protective equipment:</u></p> <ul style="list-style-type: none"> • <u>Always wear safety glasses</u> when operating the MTS, also be aware of anyone close by to either move to a safe distance or to wear safety glasses • <u>Always use machine shield</u> when testing samples in the MTS • <u>Pinch and crush hazard</u> due to moving crosshead, extra caution should be taken Be mindful of the location of the <u>emergency stop button</u>
		<p><u>Review of standard operating procedure:</u></p> <ul style="list-style-type: none"> • http://www.mse.engin.umich.edu/internal/procedures/mts-insight-10 • Before testing calculate the maximum load conditions of your sample to determine if the machine\load cell is appropriate <ul style="list-style-type: none"> ○ Make sure the correct load cell is attached to the testing frame before turning it on, 1kN and 10kN load cells available • A 2 inch gauge section Instron extensometer is available for use, attach this before testing as well • Be aware that certain grips and testing fixtures have lower limits than the load cell: <ul style="list-style-type: none"> ○ There is a set of fine teathed tensile grips with a limit of 5kN ○ There is a set of 3&4 point bending testing fixtures with a limit of 5kN ○ Remember to set the hardware limits on the testing frame to prevent crashing the grips and causing damage to the crosshead and\or load cell
		<p><u>Available supplies to help in the procedure:</u></p> <ul style="list-style-type: none"> • Rulers and calipers • Tweezers • Safety glasses • Several different pairs of grips/fixtures • 2" gauge extensometer

Staff Signature/date: _____

Trainee Signature/date: _____