

SERVICES PROVIDED FOR MEASUREMENT MICROSCOPE SYSTEMS (TOOLSOPES)

(Related ACC procedures MP-TOOLCAL, NPWI-OPTCLN)

- Perform full evaluation of system including:
 - ⇒ Evaluation of microscope optical system and components
 - ⇒ Evaluation of DRO system.
 - ⇒ Evaluation of photo/video attachments
 - ⇒ Evaluation of encoders (lip seals, hardware tightness, etc.)
- Full cleaning of exterior surfaces.
- Clean all optical elements including eyepieces, beam split mirror, objectives and final magnification lens per ACC procedure **NPWI-OPTCLN**
- Check stage operation.
 - ⇒ Clean and lubricate all applicable areas using synthetic lube.
- Check operation of objective turret - make minor adjustments if necessary and possible.
- Check all hardware for looseness - tighten as needed.
- Clean and adjust illumination for maximum output and best image clarity.
- Clean, center, focus and adjust all photo and/or video attachments.
- Perform minor mechanical adjustments to optimize system.
- Calibrate all applicable axes - X,Y,Z filar, Field of View measurement per ACC procedure **MP-TOOLCAL**.
- Re-configure DRO with LEC corrections (when possible).
- Furnish Certificate of Accuracy with Before/After data.
- If necessary, furnish written report of any problems found. Note any action needed to increase system productivity and accuracy. Note estimated costs regarding needed actions (if available).
- ACC glass master stage micrometer calibrated traceable to NIST to .00001” (10 micro inches).
- ACC steel and ceramic master gage blocks calibrated traceable to NIST to .000002” (2 micro inches).
- All calibrations conform to ANSI/NCSL Z540-1 and meet ISO requirements.

Absolute Clarity & Calibration, LLC

109 Main Street • Terryville, CT 06786

Phone: (860) 583-0502 • Fax: (860) 314-1851

Web site: www.absoluteclarity.com

Approval signature: _____ Title: _____ Date: _____

If this approval is in BLACK, this copy is NOT CONTROLLED