

## **SERVICES PROVIDED FOR COMPARATORS**

(Related procedures include NPWI-OPTCLN and MP-COMCAL)

- Perform full evaluation
- Full cleaning of internal optics per ACC procedure NPWI-OPTCLN
  - includes evacuation of dirt from inside of comparator (using a special sub-micron particle vacuum cleaner if required).
  - includes cleaning rear and top/bottom first surface mirrors.
  - includes cleaning objective lens exterior surfaces.
- Remove and clean front screen and exteriors of objective lenses.
- Lens refurbish services provided at an additional \$ 50.00 per lens; includes full disassembly, lens cleaning and treatment with lube for re-assembly and dust sealing purposes.
- Adjustment of projection mirrors for proper image coverage on glass screen where needed.
- Light source adjustments for maximum lighting efficiency and best image clarity.
- Check hardware for looseness - tighten as needed.
- Clean the lubrication off all mechanical wear surfaces as required. Re-lubricate with synthetic. Make note of any excessively worn or out of adjustment assemblies and demonstrate to customer.
- Furnish written report of any problems found and make specific recommendations as to any part that needs replacement and any action needed to increase machine productivity and maintain accuracy.
- Stage micrometers calibrated traceable to NIST to .00001" (10 micro inches)
- Master gage blocks calibrated traceable to NIST to .000002" (2 micro inches)
- All calibrations conform to ANSI/NCSL Z540-1 and meets ISO requirements.
- Perform NIST traceable calibration on X,Y table through the Digital Readout (DRO).
- Perform NIST traceable calibration on screen overlay or grid and adjustment of Optical tube length to correct.
- Perform NIST traceable calibration of Angular Measurement Options.
- Adjust all calibratable features as needed.
- Seal all non-user adjustable hardware with enamel.
- Furnish Certificate of Accuracy (Before/After data is available).
- Inform customer of any out of spec. equipment.

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