

Primary Standards Laboratory Mechanical Calibration Project

Fact Sheet

The Mechanical Calibration team, as part of Primary Standards Laboratory (PSL), performs calibrations of secondary reference standards, gages, fixtures, and measurement and test equipment (M&TE). The team also provides technical support for both dimensional measurement (i.e. inspection) and geometric dimensioning and tolerancing (GD&T).

Capabilities

Calibration capabilities include, but are not limited to, acceptance gages, production fixtures, gage blocks, torque wrenches, coordinate measuring machines (CMMs), video measuring systems, optical comparators, analytical balances, scales, weights (i.e. mass), surface roughness, surface topography, hardness testing, and assorted hand tools, including micrometers, calipers, and thread gages.



Video Measuring System

Measurement services include inspection and reverse engineering.



Torque Wrench Calibration

Resources

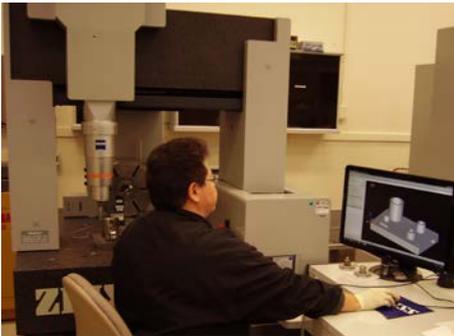
- Zeiss Prismo Ultra CMM
 - Tactile and Video Sensors
- OGP APEX Video Measuring System
 - Video and Laser Sensors
- Taylor Hobson Talyrond 365 High-Precision Roundness/Cylindricity System
- Mahr 828 CiM Universal 1D Length Measuring System
 - Up to 1 meter length
- Mahr XC Surface Finish and Surface Topography System
- Mahr Focodyn Non-Contact Surface Topography System
- Mahr Gage Block Comparators
- Federal Levels
- Hewlett Packard and API Metrology Lasers
- Mettler Mass Comparators



Gage Block Calibration



Form Tester



CMM

Contacts

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