

# Scope of Accreditation For Optimal Calibration

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In recognition of a successful assessment to ISO/IEC 17025:2005 to the following Calibration and Measurement Capabilities, accreditation has been granted to **Optimal Calibration** for the following:

Accreditation granted through: **December 4, 2019**

## Calibration

### Length – Other

Calibration Parameter/Equipment <sup>1</sup>	Range	Expanded Uncertainty of Measurement (+/-) <sup>2</sup>	Remarks
Calibration of Surface Plates Repeatability	(0 to 0.004) in	31 μin	Repeat-O-Meter
Flatness	(Up to 60) in diagonal (Up to 36 x 48) in	(68 + 0.5L) μin	Planekator
	(Up to 432) in diagonal (3 x 4 to 30 x 20) ft	(45 + 1.1L) μin	Autocollimator

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and remarks. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.
- 2) *L* = length of the surface plate diagonal in inches

Approved by:   
R. Douglas Leonard  
Chief Technical Officer

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