SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Optimal Calibration, LLC

11205 Hampton Ridge Dr.
Chardon, OH 44024
Kevin Kirchner 440-552-6941

CALIBRATION

Valid to: **December 4, 2023** Certificate Number: **L2170**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Granite Surface Plates [1,2]			In accordance with Fed Spec GGG-P-463 using Planekator
Overall Flatness	Up to 60 in*DL*	(83 + 0.3*DL*) µin	
	Up to 432 in*DL*	(45 + 1.1*DL*) µin	Autocollimator
Local Area Flatness	Up to 0.004 in	31 µin	Repeat-O-Meter

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. 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. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. *DL* = diagonal length in inches; 60 in*DL* = Up to (36 x 48) in; 432 in*DL* = {(3 x 4) to (30 x 20) ft}.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2170.

R. Douglas Leonard Jr., VP, PILR SBU