



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Certified Service Company of Ohio, LLC

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CALIBRATION

Valid to: February 19, 2020

Certificate Number: L1054-1

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Surface Plate Flatness	(0 to 480) in Diagonal	$6.8 \sqrt{D} \mu\text{in}$	Autocollimator
Surface Plate Repeatability	$\pm 0.001$ in over 10 in to unlimited length	20 $\mu\text{in}$	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.  $D$  = diagonal measurement of surface plate in inches.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L1054-1.



Vice President