



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PRODUCTION SERVICE COMPANY  
16025 Brookpark Road  
Cleveland, OH 44142  
Ed Sinegar Phone: 216 362 6100

CALIBRATION

Valid To: April 30, 2024

Certificate Number: 2167.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1, 5</sup>:

I. Dimensional

Parameter/Equipment	Range	CMC <sup>2, 4</sup> (±)	Comments
Optical Comparators <sup>3</sup> – Length of Travel Magnification, 10x to 100x Angle	Up to 24 in Up to 12 in Up to 360°	(220 + 11L) μin 220 μin 0.027°	Glass grid and glass scale
Video Measuring Machines <sup>3</sup> – Length of Travel (X-Y Axis) Length of Travel (Z Axis) Angle	Up to 24 in Up to 4 in Up to 360°	(220 + 11L) μin (190 + 10L) μin 0.027°	Glass grid Step gage

<sup>1</sup> This laboratory offers commercial and field calibration service.

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g., resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

<sup>4</sup> In the statement of CMC,  $L$  is the numerical value of the nominal length of the device measured in inches.

<sup>5</sup> This scope meets A2LA's *P112 Flexible Scope Policy*.



# Accredited Laboratory

A2LA has accredited

**PRODUCTION SERVICE CO.**

*Cleveland, OH*

for technical competence in the field of

**Calibration**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 16<sup>th</sup> day of March 2022.

A blue ink signature of a person, likely a representative of the Accreditation Council, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2167.01  
Valid to April 30, 2024  
Revised on March 20, 2024

*For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.*