SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

STARRETT KINEMETRIC ENGINEEING, INC.
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CALIBRATION

Valid To: April 30, 2027 Certificate Number: 6274.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 4]:

I. Dimensional

Parameter/Equipment	Range	CMC[2,4] (±)	Comments
Video Measurement (AVR MVR)[3]			
X, Y Axis	Up to 400 mm Up to 15.75 in	(0.7 + 0.0065*L*) µm (28 + 6.5*L*) µin	Glass scale
Z Axis	Up to 200 mm Up to 7.87 in	(1 + 0.009*L*) µm (39 + 9*L*) µin	Gage blocks
Video Measurement (HDV300/400 Extended)[3]			
X, Y Axis	Up to 500 mm Up to 21.65 in	(1.4 + 0.025*L*) µm (55 + 25*L*) µin	Glass scale
Video Measurement (HDV500)[3]			
X, Y Axis	Up to 500 mm Up to 19.69 in	(1.3 + 0.013*L*) µm (51 + 13*L*) µin	Glass scale

Parameter/Equipment	Range	CMC[2,4] (±)	Comments
Video Measurement (AVX550)[3]			
X, Y Axis	Up to 550 mm Up to 21.65 in	(1.8 + 0.005*L*) µm (71 + 5*L*) µin	Glass scale
Z Axis	Up to 250 mm Up to 9.84 in	(2 + 0.005*L*) µm (79 + 5*L*) µin	Gage blocks
2D Optical Inspection (HB400/HD400)[3]			
X, Y Axis	Up to 400 mm Up to 15.75 in	(1.5 + 0.015*L*) µm (59 + 15*L*) µin	Glass scale
Length (2D) Optical Calibration Artifacts	Up to 200 mm Up to 7.87 in	(1 + 0.006*L*) µm (39 + 6*L*) µin	Video Measurement System AVR300-+M-Z-M3-2LED S/S: GA-1164-3836-0916

[1] This laboratory offers commercial calibration service.

[2] 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.

[3] 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 Calibration and Measurement Capability Uncertainty (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 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.

[4] In the statement of CMC, *L* is the numerical value of the nominal length of the device measured in inches and millimeters.

[4] This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

STARRETT KINEMETRIC ENGINEERING, INC.

Laguna Hills, CA

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 the requirements of 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 31st day of May 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6274.01
Valid to April 30, 2027

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