



SCOPE OF ACCREDITATION TO ISO 17025:2005  
& ANSI/NCSL Z540-1-1994

QUALITY VISION SERVICES, INC.  
 & CERTIFIED COMPARATOR PRODUCTS  
 A Division of Quality Vision Services, Inc.  
 1175 North Street  
 Rochester, NY 14621  
 James Schmidl Phone: 866 815 6618

CALIBRATION

Valid To: July 31, 2012

Certificate Number: 1864.01

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

I. Dimensional

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Contour Projectors <sup>3</sup> – Optical Comparators	Up to 18 in (18 to 48) in	64 µin 75 µin	Video and comparator reticle comparison
Video Measurement Systems <sup>3</sup>	Up to 18 in (18 to 48) in	31 µin 52 µin	Video reticle and stair step gage
Toolmaker's Microscopes <sup>3, 4</sup>	Up to 6 in	200 µin	Glass scales
Precision Grids <sup>5</sup>	Up to 25 in × 19 in	30 µin	Grid inspection system
Precision Scales <sup>5</sup>	Up to 40 in	30 µin	Grid inspection system/SIP measuring instrument

*Peter Abney*  
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Parameter/Equipment	Range	CMC <sup>2,5</sup> (±)	Comments
Precision Reticles <sup>3</sup>	Up to 24 in	30 µin	Grid inspection system/SIP measuring instrument
Z-Axis Step Gages – Video <sup>3</sup>			Laseruler/indi-square
Step Height	(0.125 to 6) in	28 µin	
Perpendicularity		36 µin	
Calibration Spheres Diameter <sup>3</sup>	(0.25 to 1.0) in	28 µin	Laseruler
Step Gages – Cobra <sup>3</sup>	(0.125 to 1.0) in	12 µin	Laseruler

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

<sup>2</sup> Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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 and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. 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> This calibration service offered by Certified Comparator Products only, a Division of Quality Vision Services, Inc., 810 North Orchard Lane, Suite 102, Beavercreek, OH 45434 for field calibration service only.

<sup>5</sup> This calibration service offered at Quality Vision Services, Inc. only.



World Class Accreditation

The American Association for Laboratory Accreditation

# Accredited Laboratory

A2LA has accredited

**QUALITY VISION SERVICES, INC. & CERTIFIED COMPARATOR  
PRODUCTS A DIVISION OF QUALITY VISION SERVICES**

*Rochester, NY*

for technical competence in the field of

## Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. 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 8 January 2009*).



Presented this 14<sup>th</sup> day of June 2010.

  
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President & CEO

For the Accreditation Council  
Certificate Number 1864.01  
Valid to July 31, 2012

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