



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Applied Image Inc.**  
**1653 East Main Street**  
**Rochester, NY 14609**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 30 October 2025  
Certificate Number: AC-2818



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**Applied Image Inc.**  
1653 East Main Street  
Rochester, NY 14609  
Gary Reif 585-482-0300 ext. 230

### CALIBRATION

Valid to: **October 30, 2025**

Certificate Number: **AC-2818**

#### Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Single Axis Length Non-Contact <sup>1</sup>	Up to 200 $\mu\text{m}$	0.43 $\mu\text{m}$	Filar Microscope
	(200 to 400) $\mu\text{m}$	0.73 $\mu\text{m}$	
	(400 to 800) $\mu\text{m}$	1.3 $\mu\text{m}$	
	(800 to 1 600) $\mu\text{m}$	1.5 $\mu\text{m}$	
	Up to 127 mm	0.29 $\mu\text{m}$	Laser-based Measuring Machine
	(0.8 to 400) mm	(2.3 + 0.008L) $\mu\text{m}$	CMM
(401 to 1 200) mm	(15 + 0.051L) $\mu\text{m}$	Coordinatograph	
Up to 25.4 mm (25.4 to 75) mm	Up to 25.4 mm	2.4 $\mu\text{m}$	Micrometers
	(25.4 to 75) mm	4.5 $\mu\text{m}$	
Up to 150 mm		32 $\mu\text{m}$	Caliper
Dual Axis Length Non-Contact <sup>1</sup>	Up to 127 mm x 127 mm	0.42 $\mu\text{m}$	Laser-based Measuring Machine
Length Aspect of Bar Code Measurement <sup>1</sup>	(3 to 200) mils	(0.051 + 0.000 25L) mils	Automated Bar Code Verification System (Judge)
	(0.2 to 5) mm	(1.3 + 0.25L) $\mu\text{m}$	
Angular Measurement <sup>4</sup>	(0 to 180) $^{\circ}$	0.001 8 $^{\circ}$	Coordinate Measuring Machine

**Photometry and Radiometry**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Spectral Reflection Aspect of Bar Code Measurement <sup>2,3</sup>	(0.25 to 100) %R 660 nm	(0.35 + 0.014R) %R	Automated Bar Code Verification System (Judge)
45°:0° or 0°:45° Spectral Reflection Photometry <sup>3</sup> (Status A Density)	(V Filter) Up to 1.25 D (1.25 to 2.1) D	0.011 D 0.033 D	Color Reflection Densitometer
	(C Filter) Up to 1.25 D (1.25 to 2.1) D	0.012 D 0.034 D	
	(M Filter) Up to 1.25 D (1.25 to 2.1) D	0.009 5 D 0.026 D	
	(Y Filter) Up to 1.25 D (1.25 to 2.1) D	0.009 4 D 0.031 D	
45°:0° or 0°:45° Spectral Reflection Photometry <sup>2,3</sup>	(0.25 to 100) %R 660 nm	(0.066 + 0.007R) %R	Spectral Reflectometer
Spectral Transmission Photometry <sup>2,3</sup>	Up to 100 %T (250 to 400) nm (401 to 700) nm (701 to 900) nm (901 to 1 000) nm	(0.15 + 0.004 1T) %T (0.22 + 0.000 66T) %T (0.4 – 0.000 72T) %T (0.67 + 0.002 7T) %T	Transmission Spectro-photometer
Transmission Density <sup>3</sup> (Orthochromatic Filter)	Up to 3.7 D (3.701 to 4.5) D	0.025 D 0.059 D	Transmission Densitometer

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.  $L$  = length in mils or mm.
  2.  $R$  = value in % R;  $T$  = value in %T.
  3. The following are non-SI terms: %T is percent transmission; %R is the percent reflectance; and D is the optical density.
  4. The angle is determined by the measurement of two points on a line in the x-y plane. The x-y values are used to calculate the angle using the arctan(x-y). The distance between the two points affect the uncertainty as indicated.  $L$  is the length of the measured line in mm.
  5. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2818.



Jason Stine, Vice President