



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Precision Gage Company**  
100 Shore Drive  
Burr Ridge, IL 60527

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 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 28 March 2027

Certificate Number: AC-2664



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**

**Precision Gage Company**

100 Shore Drive  
Burr Ridge, IL 60527  
RG Layland  
630-655-2121

**CALIBRATION**

Valid to: **March 28, 2027**

Certificate Number: **AC-2664**

**Length – Dimensional Metrology**

<b>Parameter/Equipment</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-) <sup>2</sup></b>	<b>Reference Standard, Method, and/or Equipment</b>
Micrometers <sup>1</sup>	Up to 5 in	(56 + 5L) μin	Comparison to Gage Blocks
Calipers <sup>1</sup>	Up to 6 in	0.000 58 in	Comparison to Gage Blocks
Dial Indicators <sup>1</sup>	Up to 1 in	61 μin	Comparison to Gage Blocks
Inside Diameter	(0.04 to 6) in	(21 + 2.73L) μin	Measurement using Measuring Machine with Master Rings
Single Axis Length			
Inside Dimension	(0.04 to 9) in	(17 + 2.38L) μin	Measurement using Measuring Machine with Gage Blocks
Outside Dimension	Up to 5 in	(14 + 2.14L) μin	
2D Length Measurements Distance, Angle, Radius, Size, Form, Locations	(4 X 8) in	0.0005 6 in	Measurement using Vision System used as Reference Standard

**Length – Dimensional Metrology**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) <sup>2</sup>	Reference Standard, Method, and/or Equipment
3D Volumetric Length Measurements - Diameter, Radius, Angle, Distance, Roundness, Waviness, Flatness, Straightness, Cylindricity, Profile, Form, Position, Concentricity, Coaxiality, Perpendicularity, Parallelism, Angularity, Runout, etc.	(500 x 700 x 900) mm	(2.1 + 0.019L) μm	Measurement using CMM used as Reference Standard
Gears/Splines			
Runout	Up to 15 in diameter	(38.4 + 7.78L) μin	Measurement using CMM and Rotary Table
Profile	Up to 15 in diameter	(41.21 + 6.67L) μin	
Cumulative Pitch	Up to 15 in diameter	(39.84 + 7.44L) μin	
Adjacent Pitch	Up to 15 in diameter	(36.94 + 7.8L) μin	
Lead Error	Up to 8 in length	(36.67 + 14.58L) μin	
Measure Over Wires	Up to 5 in	(18.37 + 1.92L) μin	
Measure Between Wires	(0.04 to 10) in	(20.46 + 1.56L) μin	Measurement using Gear Wires, Measuring Machine and Gage Blocks

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 length in inches.  $L$  = Length in inches or mm
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2664.



Jason Stine, Vice President