



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Ultimate Gaging Systems
555 Plymouth Ave. NE
Grand Rapids, MI 49505

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

DIMENSIONAL MEASUREMENT

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.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 08 September 2023
Certificate Number: L2396



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

Ultimate Gaging Systems

555 Plymouth Ave. NE
Grand Rapids, MI 49505
Todd Kolasa
616-264-6967

DIMENSIONAL MEASUREMENT

Valid to: **September 8, 2023**

Certificate Number: **L2396**

1 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-) ¹	Reference Standard, Method, and/or Equipment
Dimensional Measurement 1D	Up to 3 in	$(72 + 16.5L) \mu\text{in}$	Outside Micrometers utilized as Reference Standard for Dimensional Measurement
	Up to 6 in	0.001 3 in	0 to 6 in. Calipers utilized as Reference Standard for Dimensional Measurement

3 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-) ¹	Reference Standard, Method, and/or Equipment
Dimensional Measurement 3D	X = Up to 1 200 mm Y = Up to 3 000 mm Z = Up to 1 000 mm	$(14.4 + 0.033X) \mu\text{m}$	Coordinate Measuring Machine utilized as Reference Standard for Dimensional Measurement
Dimensional Measurement 3D	X = Up to 2 000 mm Y = Up to 3 300 mm Z = Up to 1 000 mm	$(7.73 + 0.035X) \mu\text{m}$	Coordinate Measuring Machine utilized as Reference Standard for Dimensional Measurement
Dimensional Measurement 3D	X = Up to 6 000 mm Y = Up to 1 600 mm Z = Up to 2 100 mm	$(34.95 + 0.028X) \mu\text{m}$	Coordinate Measuring Machine utilized as Reference Standard for Dimensional Measurement

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 inches; *X* = Length in millimeters
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2396.



R. Douglas Leonard Jr., VP, PILR SBU

