



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

THE QC GROUP, INC.

Burnsville, MN

for technical competence in the field of

Mechanical Testing

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 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 January 2009*).



Presented this 27th day of October 2008.

A handwritten signature in cursive script, reading "Peter M. Meyer". The signature is written in black ink and is positioned above a horizontal line.

President

For the Accreditation Council

Certificate Number: 1172.01

Valid to: October 31, 2010

REVISED: January 26, 2009

For the tests or types of tests to which this accreditation applies,
please refer to the laboratory's Mechanical Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: October 31, 2010

Certificate Number: 1172.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following dimensional tests:

Dimensional Testing:

Parameter	Range	Best Uncertainty ^{1,2} ($\pm$)	Technique
Length	(0 to 8) in (0 to 12) in (0 to 1) in (0 to 6) in (0 to 1) in (0 to 4) in (0 to 1) in	0.00041 in 0.0013 in 0.00016 in 0.00015 in 0.00015 in 0.0002 in 0.0006 in	Optical comparator Calipers Micrometer Depth micrometer Pressure micrometer Toolmaker's microscope Gage Pins
Length 2D	(18 x 18) in	$(250 + 7.1L) \mu\text{in}$	OGP - Optical CMM
Flatness	(0 to 0.008) in	0.00025 in	Dial indicator
Volume	8 ft Sphere (28 x 40 x 28) in (40 x 64 x 28) in	$(1100 + 11L) \mu\text{in}$ $(400 + 3.2L) \mu\text{in}$ $(40 + 18L) \mu\text{in}$	Faro Arm CMM (Platinum) CMM (UHA) CMM (Scanning)

¹“Best Uncertainty” is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine inspections of nearly ideal measurement standards with nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The best uncertainty of a specific test performed by the laboratory may be greater than the best uncertainty due to the behavior of the customer’s test piece, to the environment and to influences from the circumstances of the specific test.

² L is the nominal length in inches.