

Scope of Accreditation For Quality Inspection Technologies (Div of 6297986 Canada Ltd.)

4696 Bartlett Rd. Unit #6
Beamsville, ON, L0R 1B1 Canada
Bill Reilly
905-563-9994

In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Quality Inspection Technologies (Div of 6297986 Canada Ltd.)** to perform **Calibrations/Dimensional Inspection** in the following parameters:

Accreditation granted through: **April 13, 2013**

Calibration

Length - Dimensional Metrology – Artifacts and Standards 1D

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability (+/-) ^{1,2}	Remarks
Micrometer Standards	Up to 24 in	(35 + 2.9L) μin	Telma 500 Gauge Blocks
Plain Rings	Up to 6 in	(42 + 1.7D) μin	Telma 500 Gauge Blocks
Pin Gauges	Up to 1 in	(51 + 4.6L) μin	Telma 500
Plug Gauges	Up to 4 in	(51 + 1L) μin	Telma 500
Thread Wires	Up to 1 in	10 μin	Bench Micrometer Gauge Head & Amplifier

Length - Dimensional Metrology – Hand Tools and Precision Gages 1D

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability (+/-) ^{1,2}	Remarks
Outside Micrometer (0.000 05 in resolution)	Up to 36 in	(19 + 6.8L) μin	Gauge Blocks
Depth Micrometers (0.000 05 in resolution)	Up to 12 in	(54 + 3.3L) μin	Gauge Blocks
Inside Micrometers (0.000 1 in resolution)	Up to 80 in	(76 + 11.5L) μin	Telma 500 Gauge Blocks
Calipers (0.000 5 in resolution)	Up to 24 in	(406 + 19.6L) μin	Gauge Blocks
Dial Indicators (0.000 1 in resolution)	Up to 1 in	(80 + 2.9L) μin	Telma 500

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability (+/-) ^{1,2}	Remarks
Test Indicators (0.000 1 in resolution)	Up to 0.25 in	(79 + 43.7L) μin	Telma 500
Dial Bore Gauges (0.000 1 in resolution)	Up to 1 in travel	(80 + 2.3L) μin	Telma 500
Height Gauges	Up to 48 in	(391 + 3.1L) μin	Mahr Comparator Gauge Blocks
Steel Rules/Scales	Up to 48 in	(295 + 459L) μin	Optical Comparator

Length - Dimensional Metrology – Hand Tools and Precision Gages 2D

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) ¹	Remarks
Radius Gauges	(0.015 to 1) in	300 μin	Optical Comparator
Bevel Protractors	(0 to 360) °	(0.017 + 0.0002°)	Optical Comparator

Length - Dimensional Metrology – Other

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) ^{1,2}	Remarks
Thread Plug Gauges	Up to 4 in	(109 + 1.3D) μin	Bench Micrometer Mahr Comparator

Dimensional Inspection
Length - Dimensional Inspection – Dimensional Measurement 3D

Inspection Parameter	Range	Calibration and Measurement Capability (+/-) ^{1,2}	Remarks
Dimensional Measurement 3D (Mechanical Inspection)	Up to 36 in Up to 40 in Up to 24 in	(120 + 0.3L) μin	Coordinate Measuring Machine utilized as reference standard for Dimensional Inspection
Dimensional Measurement 3D ³ (Mechanical Inspection Mobile)	Up to 96 in spherical	(1 592 + 3.4L) μin	Portable FARO Arm utilized as reference standard for Dimensional Inspection

Notes:

- 1) Calibration and Measurement Capabilities represent expanded uncertainties at approximately a 95% confidence level using a coverage factor of k=2.
- 2) *D* = Diameter in “in”, and *L* = Length in “in”.
- 3) This Laboratory offers onsite dimensional inspection service.

Approved by: _____



 R. Douglas Leonard Jr.
 Chief Technical Officer

 Date: October 12, 2010