

## Scope of Accreditation For Quality Inspection & Gage, Inc.

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In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Quality Inspection & Gage, Inc.** to perform **Calibrations/Dimensional Inspection** as shown in the following tables:

Accreditation granted through: **July 22, 2009**

### Calibration

Calibration Parameter/Equipment	Range	Best Measurement Capability (+/-)	Remarks
Cylindrical Plug/Pin Gages	0 in to 4 in	$(16 + 8.2X) \mu\text{in}$	Precision Comparator
Indicators (Electronic, Digital, Dial, Test, Drop)	0 in to 1 in	$(520 + 230X) \mu\text{in}$	Gage Blocks

### Dimensional Inspection

Dimensional Inspection Parameter/Equipment	Range	Best Measurement Capability	Remarks
Dimensional Measurement 3D	X = 0 mm to 1828 mm Y = 0 mm to 1828 mm Z = 0 mm to 1371 mm	$(40 + 0.001L) \mu\text{m}$	Coordinate Measuring Machine Utilized as Reference Standard for Dimensional Inspection
Dimensional Measurement 3D	X = 0 mm to 660 mm Y = 0 mm to 990 mm Z = 0 mm to 457 mm	$(32 + 0.001L) \mu\text{m}$	Coordinate Measuring Machine Utilized as Reference Standard for Dimensional Inspection
Dimensional Measurement 3D	X = 0 mm to 457 mm Y = 0 mm to 508 mm Z = 0 mm to 406 mm	$(33 + 0.001L) \mu\text{m}$	Coordinate Measuring Machine Utilized as Reference Standard for Dimensional Inspection



<b>Dimensional Inspection Parameter/Equipment</b>	<b>Range</b>	<b>Best Measurement Capability</b>	<b>Remarks</b>
Dimensional Measurement (Linear)	0 in to 12 in	$(810 + 27X) \mu\text{in}$	Hand Tools Calipers, Micrometers, Plug/Pin Gages

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.
- 2) Best uncertainties, expressed as a percentage of the applied test load, represent expanded uncertainties at approximately the 95% confidence level using a coverage factor of  $k=2$ .
- 3)  $L$  = Length in mm
- 4)  $X$  = Length in inches

Approved by: \_\_\_\_\_

Date: October 5, 2006

R. Douglas Leonard Jr.  
Chief Technical Officer

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