



## SCOPE OF ACCREDITATION

IAS Accreditation Number	CL-183
Accredited Entity	Precise Dimensional Inspection LLC.
Address	250 W. Temperance Rd. Temperance, MI, 48182
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Effective Date of Scope	July 26, 2017
Accreditation Standard	ISO/IEC 17025:2005

CALIBRATION AREA	RANGE & RESOLUTION	CALIBRATION & MEASUREMENT CAPABILITY <sup>1</sup> (CMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
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<i>Dimensional Calibration</i>			
Calipers	Up to 12 in. / .0005 in. Up to 24 in. / .001 in.	(150 + 25L) µin. (220 + 28L) µin.	Gladstonbury Standard Gage Blocks Size control standard GladstonBury Master
Outside Micrometers	Up to 12 in. / .0001 in.	(43 + 10L) µin.	Laser Interferometer
Plug Gages	Up to 1 in. / .00005 in.	13 µin.	CMM
Ring Gages	Up to 12 in. / .00005 in.	(13+ 5.4L) µin.	CMM
Check Fixtures	X Axis 16.0 in. Y Axis 16.0 in. Z Axis 16.0 in. Resolution: .00005 in.	(100 + 5.2L) µin.	CMM
Cylindrical Step Gages	Up to 8 in. / .00005 in.	(100 + 5.2L) µin.	CMM
Flush Pin Gages	Up to 8 in. / .00005 in.	(100 + 5.2L) µin.	CMM
Reference Spheres	Up to 2 in. / .00005 in.	(100 + 5.2L) µin.	CMM
Step Gages	Up to 12 in. / .00005 in.	(100 + 5.2L) µin.	CMM
Depth Micrometers	Up to 6 in. / .001 in.	(140 + 9.0L) µin.	Gage Blocks Surface plate

*Note: L is in inches*

\*'Calibration and Measurement Capability' is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation (at a confidence level of 95% with a coverage factor of 2)



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<b>Dimensional Verification</b>			
CMM Measurements	X Axis 16.0 in. Y Axis 16.0 in. Z Axis 16.0 in. Resolution: .00005 in.	(100 + 5.2L) μin.	Zeiss UPMC Model 550  <i>Technique: Verification of parts and test fixtures to customer provided Blueprints</i>
Optical Comparator Measurements	X Axis 8.0 in. Y Axis 8.0 in. Resolution: .0001 in.	(110 + 40L) μin.	Optical Gage Products OQ30  <i>Technique: Verification of parts and test fixtures to customer provided Blueprints</i>
Contour Reader Measurements	Length 1.0 in. Radius to .001r Resolution: .001 in.	520 μin. 140 μin.	PMC Contour Reader Model #125  <i>Technique: Verification of parts and test fixtures to customer provided Blueprints</i>
<i>Note: L is in inches</i>			

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