



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Triology Incorporated

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CALIBRATION

Valid to: June 29, 2009

Certificate Number: AC-1278

I. Dimensional

PARAMETER / EQUIPMENT	RANGE	BEST MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(+)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
CMM Linear Displacement	Up to 15 m	$(0.3 + 2.25L) \mu\text{m}$	Renishaw ML10X Laser and EC10 Environmental Compensation Unit	B89.4.1.1997 Sec 5.4.3. Using Laser Interferometer
CMM Volumetric Performance	Up to 1.5 m	$(1.1 + 6.9L) \mu\text{m}$	Bal-Tec Ball Bar Kit	B89.4.1.1997 Sec 5.5.2 Using Ball Bar
CMM Repeatability	25 mm	$0.22 \mu\text{m}$	Master Sphere	B89.4.1.1997 Sec 5.3.3 Using Calibrated Master Sphere

Notes:

1. Best Measurement Uncertainties (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$
2. The terms L for linear represents linear measure in meters, the L for volumetric represents the ball bar length in meters.
3. This laboratory offers on-site services for all parameters. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope.
4. This scope is part of and must be included with the Certificate of Accreditation No. AC-1278

 Vice-President

