SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ACCU-TECH, INC.
4816 Joslyn Road
Orion, MI 48359
Edmund Drozdowski Phone: (248) 977-1042

MECHANICAL

Valid To: April 30, 2019 Certificate Number: 1224.01

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

I. Dimensional Testing/Calibration[1]:

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
3D Length Measurements – Workpieces, Dies, Tooling/Fixtures, Molds, Attribute Gauges[4]	X: Up to 48 in (1200 mm) Y: Up to 79 in (2000 mm) Z: Up to 39 in (1000 mm)	0.0004 in (0.010 mm)	DCC CMM *(12.20.10)* (ACC-CMM-1)
	X: Up to 35 in (900 mm) Y: Up to 59 in (1500 mm) Z: Up to 35 in (900 mm)	0.0004 in (0.010 mm)	DCC CMM *(9.15.9)* (ACC-CMM-2)
	X: Up to 37 in (950 mm) Y: Up to 37 in (950 mm) Z: Up to 37 in (950 mm)	0.0010 in (0.026 mm)	DCC CMM *(Horizontal 3000)* (ACC-CMM-3)
	X: Up to 118 in (3 m) Y: Up to 69 in (1750 mm) Z: Up to 45 in (1150 mm)	0.0013 in (0.034 mm)	DCC CMM *(Horizontal 3000)* (ACC-CMM-3)
	X: Up to 235 in (5.975 m) Y: Up to 69 in (1750 mm) Z: Up to 90 in (2285 mm)	0.0015 in (0.039 mm)	DCC CMM *(Horizontal 3000)* ACC-CMM-3
	X: Up to 48 in (1200 mm) Y: Up to 87 in (2200 mm) Z: Up to 39 in (1000 mm)	0.0004 in (0.010 mm)	DCC CMM (12.22.10) ACC-CMM-4

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
3D Length Measurements – Workpieces, Dies, Tooling/Fixtures, Molds, Attribute Gauges – (cont.)[4]	X: Up to 22.4 in (560 mm) Y: Up to 23.6 in (600 mm) Z: Up to 11.8 in (300 mm) X: Up to 11.8 in (300 mm) Y: Up to 11.8 in (300 mm) Z: Up to 11.8 in (300 mm) X: Up to 15.7 in (400 mm) Y: Up to 15.7 in (400 mm) Z: Up to 11.8 in (300 mm) Up to 6 in (150 mm) Up to 8 in (200 mm) Up to 12 in (300 mm)	0.00018 in 0.0046 mm 0.0005 in (0.013 mm) 0.0005 in (0.013 mm) 0.0013 in (0.033 mm) 0.0013 in (0.033 mm) 0.0019 in (0.048 mm)	DCC CMM/vision (*Magnus Redline*) ACC-CMM-5 DCC CMM/vision (*Signum B Blueline*) ACC-CMM-6 DCC CMM/vision (*Signum C Blueline*) ACC-CMM-7 Electronic calipers
1D Length Measurements[4]	Up to 1 in (25.4 mm)	0.00013 in (0.0033 mm)	Electronic micrometer

[1] This laboratory offers commercial dimensional testing/calibration service.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] For measurements made on CMMs that are considered traceable, the CMC is based on CMM calibrated per ASME B.89.7.1 – 1997.

[4] This laboratory meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above. Accredited test reports issued containing appropriate statements of measurement results, measurement uncertainty, and traceability are considered equivalent to a "calibration" certificate.

Accredited Laboratory

A2LA has accredited

ACCU-TECH, INC.

Orion, MI

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 laboratory also meets the requirements of R205 – *Specific Requirements: Calibration Laboratory Accreditation Program*. 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 8 January 2009*).

Presented this 28th day of March 2017.

President and CEO
For the Accreditation Council
Certificate Number 1224.01
Valid to April 30, 2019

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