



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Tomco Tool Inc.**  
203 S. Wittenberg Ave.  
Springfield, OH 45506

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 17 May 2023

Certificate Number: AC-1389



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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 April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**Tomco Tool Inc.**  
203 S. Wittenberg Ave.  
Springfield, OH 45506  
Bryan Stewart 937-322-5768

### CALIBRATION

Valid to: **May 17, 2023**

Certificate Number: **AC-1389**

#### Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Inside Diameter <sup>2</sup>	(0.25 to 10) in	(9 + 4L) μin	Gage Blocks, ID Comparator
Outside Diameter <sup>2</sup>	(0.125 to 4) in	(12 + 3L) μin	Gage Blocks, OD Comparator
Length/Height <sup>2</sup>	(0.1 to 10) in (10 to 20) in	(11 + 4L) μin (24 + 4L) μin	Gage Blocks, Electronic Indicator
Taper <sup>2</sup>	Up to 5 in	(80 + 17L) μin	Gage Blocks, Sine Plate, Electronic Indicator
Flatness	Up to 6 in	11 μin	Optical Flat
Roundness	Up to 0.000 2 in	23 μin	Bendix Indi-Ron Roundness Machine
Parallelism	Up to 0.000 2 in	11 μin	Electronic Indicator, Surface Plate
Squareness	Up to 5 in	224 μin	Steel Cube, Electronic Indicator
Surface Finish	Up to 30 Ra	3 μin	Profilometer
Straightness	Up to 0.000 2 in	11 μin	Electronic Indicator
Concentricity	Up to 0.002 in	49 μin	Electronic Indicator
Micrometers <sup>2</sup>	Up to 6 in	(32 + 9L) μin	Gage Blocks

**Length – Dimensional Metrology**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers <sup>2</sup>	Up to 12 in	$(344 + 7L) \mu\text{in}$	Gage Blocks
Thread Gages	Up to 1 in	61 $\mu\text{in}$	Thread Wires, Gage Blocks, OD Comparator
Dial Indicators	Up to 1 in	35 $\mu\text{in}$	Gage Blocks
Digital Indicators	Up to 1 in	34 $\mu\text{in}$	Gage Blocks

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2.  $L$  = Length in inches.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1389.



R. Douglas Leonard Jr., VP, PILR SBU