CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Kent Machine, Inc.
8677 South State Road 9
Pendleton, IN 46064

Fulfills the requirements of

ISO/IEC 17025:2017

In the fields of

CALIBRATION and **DIMENSIONAL MEASUREMENT**

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.

Jason Stine, Vice President

Expiry Date: 14 September 2025

Certificate Number: L2164

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

Kent Machine, Inc.
8677 South State Road 9
Pendleton, IN 46064
Jeff Baker
765-778-7777

CALIBRATION & DIMENSIONAL MEASUREMENT

Valid to: **September 14, 2025** Certificate Number: **L2164**

CALIBRATION

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Outside Diameter – Cylindrical Plugs/Pins	(0 to 4) in	(9+ 32*L*) µin	ULM (KM 045)
Inside Diameter – Ring Gauges	(0 to 4) in	(26 + 28*L*) µin	
Length – Length standards, Fixturing	(0 to 4) in	(9 + 32*L*) µin	
	(0 to 12) in	(150 + 13*L*) µin	Electronic Height Gage (KM 202)
Length – Machined parts, gauges, fixtures	X axis (0 to 27) in Y axis (0 to 42) in Z axis (0 to 23) in	(190 + 16*L*) µin	Coordinate Measuring Machine – Spectrum (KM 003)
	X axis (0 to 19.5) in Y axis (0 to 19.5) in Z axis (0 to 19.5) in	(28 + 18*L*) µin	Coordinate Measuring Machine – Micura (KM 200)
Form	(0 to 2) in	(59 + 25*L*) µin	Contracer (KM 213)
Roundness	(0 to 0.04) in	42 µin	Rotary Air Table (KM 105)
Profile	(0 to 0.5) in	(200 + 29*L*) µin	OGP (Vision) (KM 110)

DIMENSIONAL MEASUREMENT

1 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Dimensional Measurement 1D	(0 to 200) µin	14 µin	Electronic Test Indicator w/ Amplifier (KM 113)
	200 µin to 4 in	79 µin	
	(0 to 4) in	(9.3 + 32*L*) µin	ULM (KM 045)
	(0 to 12) in	(150 + 13*L*) µin	Electronic Height Gage (KM 202)

2 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Dimensional Measurement 2D	(0 to 0.04) in	42 µin	Rotary Air Table (KM 105)
	X axis (0 to 14) in Y axis (0 to 12) in	(200 + 29*L*) µin	OGP (Vision) (KM 110)
	(0 to 2) in	(59 + 25*L*) µin	Contracer (KM 213)

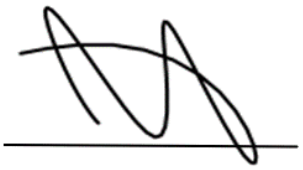
3 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Dimensional Measurement 3D	X axis (0 to 27) in Y axis (0 to 42) in Z axis (0 to 23) in	(190 + 16*L*) µin	Coordinate Measuring Machine – Spectrum (KM 003)
	X axis (0 to 19.5) in Y axis (0 to 19.5) in Z axis (0 to 19.5) in	(28 + 18*L*) µin	Coordinate Measuring Machine – Micura (KM 200)

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. L2164.



Jason Stine, Vice President