CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Kent Machine
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 2027

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
8677 South State Road 9
Pendleton, IN 46064
Jeff Baker
765-778-7777

CALIBRATION & DIMENSIONAL MEASUREMENT

ISO/IEC 17025 Accreditation Granted: **11 September 2025**

Certificate Number: **L2164** Certificate Expiry Date: **14 September 2027**

CALIBRATION

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Length – Machined parts, gauges, fixtures [2]	X axis (0 to 27) in Y axis (0 to 42) in Z axis (0 to 23) in	(210 + 5.2*L*) µin	Measurement with Coordinate Measuring Machine – Spectrum (KM 003)
Length – Machined parts, gauges, fixtures [2]	X axis (0 to 19.5) in Y axis (0 to 19.5) in Z axis (0 to 19.5) in	(34 + 3.7*L*) µin	Measurement with Coordinate Measuring Machine – Micura (KM 200)
Outside Diameter – Cylindrical Plugs/Pins	(0 to 1) in	120 µin	Measurement with Micrometers (KM 008)
	(1 to 2) in	130 µin	Measurement with Micrometers (KM 009)
	(2 to 3) in	130 µin	Measurement with Micrometers (KM 010)
	(3 to 4) in	140 µin	Measurement with Micrometers (KM 011)
Outside Diameter – Cylindrical Plugs/Pins [2]	(0 to 4) in	(8.7 + 25*L*) µin	Measurement with ULM (KM 045)
Inside Diameter – Ring Gauges [2]	(0 to 4) in	(6.7 + 25*L*) µin	Measurement with ULM (KM 045)
Length – Length standards, Fixturing [2]	(0 to 4) in	(8.7 + 25*L*) µin	Measurement with ULM (KM 045)

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Length – Length standards, Fixturing [2]	(0 to 12) in	(150 + 3.8*L*) µin	Measurement with Electronic Height Gage (KM 202)
Form [2]	(0 to 2) in	(59 + 25*L*) µin	Measurement with Contracer (KM 213)
Roundness	(0 to 0.04) in	42 µin	Measurement with Rotary Air Table (KM 105)
Profile [2]	(0 to 10) in	(130 + 12*L*) µin	Measurement with OGP (Vision) (KM 125)
Thread Pitch	Up to 4 in	(57 + 14*L*) µin	Measurement with ULM (KM 045), Thread Wires

DIMENSIONAL MEASUREMENT

1 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Dimensional Measurement 1D [2]	(0 to 200) µin	83 µin	Measurement with Electronic Test Indicator w/ Amplifier (KM 113)
	200 µin to 4 in	88 µin	
	(0 to 1) in	120 µin	Measurement with Micrometers (KM 008)
	(1 to 2) in	130 µin	Measurement with Micrometers (KM 009)
	(2 to 3) in	130 µin	Measurement with Micrometers (KM 010)
	(3 to 4) in	140 µin	Measurement with Micrometers (KM 011)
	(0 to 4) in	(8.7 + 25*L*) µin	Measurement with ULM (KM 045)
	(0 to 12) in	(150 + 3.8*L*) µin	Measurement with Electronic Height Gage (KM 202)
	(0 to 4) in	(57 + 14*L*) µin	Measurement with ULM (KM 045), Thread Wires

1899 L Street NW, Suite 1100-A, Washington, DC 20036
414-501-5494
www.anab.org

2 Dimensional

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Dimensional Measurement 2D [2]	(0 to 0.04) in	42 µin	Measurement with Rotary Air Table (KM 105)
	X axis (0 to 10) in Y axis (0 to 10) in	(130 + 12*L*) µin	Measurement with OGP (Vision) (KM 125)
	(0 to 2) in	(59 + 25*L*) µin	Measurement with Contracer (KM 213)

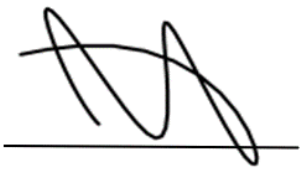
3 Dimensional

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Dimensional Measurement 3D [2]	X axis (0 to 27) in Y axis (0 to 42) in Z axis (0 to 23) in	(210 + 5.2*L*) µin	Measurement with Coordinate Measuring Machine – Spectrum (KM 003)
Dimensional Measurement 3D [2]	X axis (0 to 19.5) in Y axis (0 to 19.5) in Z axis (0 to 19.5) in	(34 + 3.7*L*) µin	Measurement with 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

1899 L Street NW, Suite 1100-A, Washington, DC 20036
414-501-5494
www.anab.org