Standards Council of Canada

600-55 Metcalfe Street
Ottawa, ON K1P 6L5
Canada

Conseil canadien des normes

55, rue Metcalfe, bureau 600
Ottawa, ON K1P 6L5
Canada

SCOPE OF ACCREDITATION

J AND K MEASURING SERVICES INC.
385 Red Maple Road, Unit #5
Richmond Hill, ON
L4C 6P4

Accredited Laboratory No. 407
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

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CLIENTS SERVED: All interested parties

FIELDS OF TESTING: Mechanical/Physical

SCOPE ISSUED ON: 2016-09-26

ACCREDITATION VALID TO: 2017-12-05

MACHINERY

Transportation, Agricultural and Construction Vehicles and Components:

Automobiles, Light Trucks, Vans & Trailers

(Coordinate Measuring Machine Service)

(Coordinate Measurements) (Manufactured Metal Components) (Jigs & Fixtures)

(COORDINATE MEASUREMENTS)

Parameter/Product	Range	Best Measurement Capability expressed as an Uncertainty (±)	Remarks
Length (L)			
Three-Dimensional	900 1400 900 mm X Y Z	$(12 + 0.008L)x10^{-3}$ [mm] Note: L in "mm"	
Three-Dimensional	35.4 55.1 35.4 in X Y Z	$(4.72 + 0.08L)x10^{-4}$ [in] Note: L in "inches"	
Two-Dimensional	Any two of the above axes	$(6.7 + 0.006L)x10^{-3}$ [mm] Note: L in "mm"	
Two-Dimensional	Any two of the above axes	$(2.63 + 0.06L)x10^{-4}$ [in] Note: L in "inches"	
One-Dimensional	Any one of the above axes	$(5 + 0.004L)x10^{-3}$ [mm] Note: L in "mm"	
One-Dimensional	Any one of the above axes	$(1.97 + 0.04L)x10^{-4}$ [in] Note: L in "inches"	

(MANUFACTURED METAL COMPONENTS)

Parameter/Product	Range	Best Measurement Capability expressed as an Uncertainty (±) See Notes: 1, 2, 4	Remarks
Length (L)			
Manufactured metal Components (Sheet Metal)	900 1400 900 mm X Y Z	$U=(16.5 + 0.025L)x10^{-3}$ [mm] Note: Where L in mm	See Note: 5
Manufactured metal Components (Sheet Metal)	35.4 55.1 35.4 mm X Y Z	$U=(.650 + 0.25L)x10^{-3}$ [in] Note: Where L in "inches:	See Note: 5

(JIGS & FIXTURES - Used for the inspection of manufactured components & assemblies.)

Parameter/Product	Range	Best Measurement Capability expressed as an Uncertainty (±) See Notes: 1 & 2	Remarks
Length (L)			
Jigs & Fixtures See Note: 2	900 1400 900 mm X Y Z	$U=(9 + 0.032L)x10^{-3}$ [mm] Note: Where L in "mm"	See Note: 3
Jigs & Fixtures See Note: 2	35.4 55.1 35.4 in X Y Z	$U=(.354 + 0.32L)x10^{-3}$ [in] Note: Where L in "inches"	See Note: 3

Notes:

1. Represents an Expanded Uncertainty using a coverage factor, k=2
2. The Best Measurement Capability listed can be achieved only if the items being measured aresuitable for such measurement.
3. Service includes, but is not limited to: net and datum pads, tooling balls, bushings, pins (made of steel) and contoured profiles (made of aluminum). Components listed above are mounted on aluminum base.
4. ISO/TS 14253-2 Geometrical Product Specifications (GPS)-Inspection by measurement of workpieces and measuring equipment- Part 2: Guide to the estimation of uncertainty in GPS measurement, in calibration of measuring equipment and in product verification was used as a reference document.
5. Service includes, but is not limited to: holes, contoured profiles and trim edges.

Notes:

CAN-P-4E (ISO/IEC 17025): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

Chantal Guay, ing., P. Eng.
Vice President, Accreditation Services

Date: 2016-09-26

Number of Scope Listings: 3
SCC 1003-15/525
Partner File #0
Partner: