CERTIFICATE OF REGISTRATION

This is to certify that

Quality Inspection & Gage

225 South Towerview Drive, Columbia City, Indiana 46725-8799 USA

operates a

Quality Management System

which complies with the requirements of

ISO 9001:2008

for the following scope of registration

Design and manufacturing of gages, fixtures and tooling, CNC machining services, CMM inspection services and Calibration Services.

Certificate No.:	CERT-0094558	Original Certification Date:	March 12, 2004
File No.:	800212	Current Certification Date:	March 8, 2016
Issue Date:	February 12, 2016	Certificate Expiry Date:	September 14, 2018

Heather Mahon
Acting Head of
Policy, Risk and Certification

Certified System

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

ISO 9001

LABORATORY ACCREDITATION BUREAU a division of A-S-B

Certificate of Accreditation

ISO/IEC 17025:2005 Certificate Number L2049-1

Quality Inspection & Gage

225 South Towerview Drive
Columbia City IN 46725-8799

has met the requirements set forth in L-A-B's policies and procedures, all requirements of ISO/IEC 17025:2005 "General Requirements for the competence of Testing and Calibration Laboratories".*

The accredited lab has demonstrated technical competence to a defined "Scope of Accreditation" and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Accreditation valid through: January 18, 2019

R. Douglas Leonard, Jr., President, COO
Laboratory Accreditation Bureau
Presented the 15th of January 2016

*See the laboratory's Scope of Accreditation for details of accredited parameters
**Laboratory Accreditation Bureau is found to be in compliance with ISO/IEC 17011:2004 and recognized by ILAC (International Laboratory Accreditation Cooperation) and NACLA (National Cooperation for Laboratory Accreditation).
Form 28.1 – Rev 1 7/3/13

Scope of Accreditation
For
Quality Inspection & Gage

225 South Towerview Drive
Columbia City, IN 46725
Kevin Murad
260-244-3591

In recognition of a successful assessment to ISO/IEC 17025:2005 to the following Calibration and Measurement Capabilities, accreditation has been granted to **Quality Inspection & Gage** for the following:

Accreditation Granted Through: **January 18, 2019**

Calibration

Length – Artifacts and Standards 1D

Calibration Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [1]	Remarks
Cylindrical Plug / Pin Gages	(0 to 100) mm	(1.1 + 0.00684*L*) µm	Universal Measuring Machine / Gage Blocks

Length – Hand Tools and Precision Gages 1D

Calibration Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [1]	Remarks
Indicators (Electronic, Digital, Dial, Test, Drop)	(0 to 25) mm	(13.4 + 0.4*L*) µm	Gage Blocks / Surface Plate

Dimensional Measurement

Length - Dimensional Measurement 1D

Inspection Parameter	Range	Expanded Uncertainty of Measurement (+/-) [1]	Remarks
Dimensional Measurement Linear 1D	(0 to 305) mm	(59 + 0.000571*L*) µm	Hand Tools – Calipers, Micrometers, Digital Height Gage / Surface Plate

Length - Dimensional Measurement 3D

Inspection Parameter	Range	Expanded Uncertainty of Measurement (+/-) [1]	Remarks
Dimensional Measurement 3D	X = (0 to 1 828) mm	(32 + 0.00113*L*) µm	Coordinate Measuring Machine
	Y = (0 to 1 828) mm		
	Z = (0 to 1 371) mm		
	X = (0 to 660) mm	(14 + 0.00107*L*) µm	
	Y = (0 to 990) mm		
	Z = (0 to 457) mm		

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and remarks. 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) *L* = Length in millimeters

Approved by: _____

R. Douglas Leonard
Chief Technical Officer

Date: January 15, 2016

Re-Issued: 1/15/16