



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

LANDAU GAGE, INC.  
2950 Kew Drive  
Windsor, Ontario, CANADA N8T 3G7  
Pauline Matthew Phone: 519 944 6363

CALIBRATION

Valid To: May 31, 2018

Certificate Number: 3584.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

I. Dimensional

Parameter/Equipment	Range	CMC <sup>2,4</sup> (±)	Comments
Cylindrical Rings, Disks, Plugs, Pins –	Inside Diameter	Up to 300 mm	(0.21 + 0.01L) μm Pratt & Whitney Labmaster™, 3 model 175 & master rings
	Outside Diameter	Up to 320 mm	(0.17 + 0.011L) μm Pratt & Whitney Labmaster™, 3 model 175 and gauge blocks
Gage Blocks – Length	Length Standards	Up to 100 mm	(0.15 + 0.011L) μm Pratt & Whitney Labmaster™, 3 model 175 & gauge blocks
		Up to 320 mm	(0.15 + 0.012L) μm
Step Gages, Step Disks, Step Blocks, Bar Masters	Up to 600 mm	(2.8 + 0.007L) μm	Starrett height master 258M series & surface plates

Parameter/Equipment	Range	CMC <sup>2,4</sup> ( $\pm$ )	Comments
Spheres, Precision Balls – Diameter	Up to 50 mm	$(0.24 + 0.01D) \mu\text{m}$	Pratt & Whitney Labmaster™ <sup>3</sup> model 175 & gauge blocks
Threaded Plug Gages – Major Diameter	Up to 50 mm	$(1.9 + 0.009D) \mu\text{m}$	3 wire method, P&W Labmaster™ <sup>3</sup> model 175, gauge blocks & master disks
Simple Pitch Diameter	Up to 50 mm	$(0.32 + 0.006D) \mu\text{m}$	

<sup>1</sup> This laboratory offers commercial calibration service.

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMC's represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> "Labmaster" is a registered trademark owned by Pratt & Whitney Measurement Systems, Inc., located in Connecticut U.S.A.

<sup>4</sup> In the statement of CMC,  $L$  is the numerical value of the nominal length of the device measured in millimeters;  $D$  is the numerical value of the nominal diameter of the device measured in millimeters.



## *Accredited Laboratory*

A2LA has accredited

**LANDAU GAGE INC.**

*Windsor, Ontario, CANADA*

for technical competence in the field of

**Calibration**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets any additional program requirements in the field of calibration. 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 8 January 2009).



Presented this 18<sup>th</sup> day of April 2016.

A handwritten signature in blue ink, appearing to read "Jim C. Bunt".

Senior Director of Quality and Communications  
For the Accreditation Council  
Certificate Number 3584.01  
Valid to May 31, 2018

*For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.*