SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

LANDAU GAGE INC.
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CALIBRATION

Valid To: May 31, 2026 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[1, 4]:

I. Dimensional

| Parameter/Equipment | Range | CMC[2, 3] (±) | Comments |
|---|---|---|---|
| Cylindrical Rings, Disks, Plugs, Pins – | | | |
| Inside Diameter | Up to 300 mm | (0.44 + 0.009*D*) µm | Pratt & Whitney Labmaster™, master rings & step gage assembly standard |
| Outside Diameter | Up to 320 mm | (0.16 + 0.007*D*) µm | Pratt & Whitney Labmaster™ & gauge blocks |
| Gage Blocks – | | | |
| Length | Up to 100 mm | (0.16 + 0.006*L*) µm | Pratt & Whitney Labmaster™ & gauge blocks |
| Length Standards – | | | |
| Length | Up to 320 mm | (0.16 + 0.007*L*) µm | Pratt & Whitney Labmaster™ & step gage assembly |



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| Parameter/Equipment | Range | CMC[2, 3] (±) | Comments |
|---|---|---|---|
| Step Gages, Step Disks, Step Blocks, Bar Masters, Snap Gages, Flush Pins | Up to 600 mm | (5.1 + 0.005*L*) µm | Height masters & surface plate |
| Precision Balls – | | | |
| Diameter | Up to 50 mm | (0.15 + 0.006*D*) µm | Pratt & Whitney Labmaster™ & gauge blocks |
| Threaded Plug Gages – | | | |
| Major Diameter | Up to 50 mm | (0.15 + 0.006*D*) µm | P&W Labmaster™ & gauge blocks |
| Simple Pitch Diameter | Up to 50 mm | (1.4 + 0.015*D*) µm | 3 wire method using P&W Labmaster™, gauge blocks & master wires |

[1] This laboratory offers commercial calibration service.

[2] 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. CMCs 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.

[3] In the statement of CMC, $L$ is the numerical value of the nominal length of the device measured in millimeters for metric reference equipment; $D$ is the numerical value of the nominal diameter of the device measured in millimeters.

[4] This scope meets A2LA's *P112 Flexible Scope Policy*.

# 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 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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*).

Presented this 1st day of April 2024.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3584.01
Valid to May 31, 2026

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