



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

IBB Technology of America, Inc.

N19 W6723 Commerce Court

Cedarburg, WI 53012

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-1253

Certificate Number


ANAB Approval

Certificate Valid: 12/19/2018-01/02/2021
Version No. 010 Issued: 12/19/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005 AND
ANSI/NCSL Z540-1-1994 (R2002)**

IBB Technology of America, Inc.

N19 W6723 Commerce Court
Cedarburg, WI 53012
David Felton
262-387-1233

CALIBRATION

Valid to: **January 2, 2021**

Certificate Number: **AC-1253**

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method and/or Equipment
Gage Blocks & Jo Blocks	Up to 4 in	(6.2 + 1.4L) μin	Gage Block Comparator
Gage Blocks	(4 to 20) in	(7.3 + 1.1L) μin	Twin Check Linear Measuring System
Feeler Gages	(0.001 to 0.5) in	(9.4 + 1.6L) μin	
Length Standards	(0.5 to 24) in		
Thread Plug - Pitch Diameter Major Diameter	(0.06 to 12) in	(140 + 1.4D) μin (18 + 9.4D) μin	
Thread Ring - Pitch Diameter Minor Diameter	(0.07 to 12) in	(170 + 1.9D) μin (51 + 1.5D) μin	
Thread Wires & Gear Wires	Up to 0.516 in	23 μin	
Cylindrical Plug, Air Plug & Hex Plug - Diameter	(0.006 to 24) in	(20 + 1.3D) μin	
Laser Mic Standards	Up to 2 in		
Micrometer Masters	Up to 12 in	(20 + 1.3D) μin	
Cylindrical Ring & Air Ring - Diameter	(0.015 to 20) in	(19 + 1.1D) μin	
Pin Gages	(0.006 to 1.001) in	(17 + 2.1D) μin	



Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method and/or Equipment
Master Setting Discs	(0.15 to 8.01) in	(19 + 2D) μin	Twin Check Linear Measuring System
Micrometers - OD	Up to 18 in	(81 + 73L) μin	Grade 2 Gage Blocks
Micrometers - ID	(1 to 18) in	(150 + 5.7L) μin	Twin Check Linear Measuring System
Test Indicators	Up to 0.06 in	(66 + 30L) μin	
Dial Indicators	Up to 12 in	(63 + 33L) μin	
Calipers	Up to 20 in	(390 + 43L) μin	Grade 2 Gage Blocks
Height Gage	Up to 24 in	(160 + 4.4L) μin	Grade 3 Gage Blocks
UTM Linear Length	Up to 15.75 in	(76 + 2.2L) μin	Gage Blocks
Outside Diameter	Up to 4 in	(240 + 18D) μin	Micrometer Master
Surface Roughness Testers	(5 to 150) μin	4.1 μin	Roughness Standard
Surface Roughness Standards	(5 to 150) μin	2.1 μin + 0.3% of reading	Roughness Tester

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Force Gage	(0 to 200) lbf	0.17 lbf + 0.06% reading	Class 7 Weights
Pressure	(0 to 160) psig	1.4 psig + 0.13% reading	Dead Weight Tester
	(160 to 10 000) psig	5.8 psig + 0.01% reading	
Graduated Cylinder	(200 to 1 000) ml	3.3 ml + 0.014% reading	Laboratory Balance
Torque Wrenches	(5 to 50) lbf·in (50 to 300) lbf·in (15 to 150) lbf·ft (50 to 500) lbf·ft	1 % of reading	Torque Transducer System

Thermodynamic

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
IR Temperature Gage	(0 to 2 500) °F	2 °F + 0.01% of reading	IR Calibrator

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; D = Diameter, both in inches
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1253.



Vice President