

Vision System Certificate of Calibration

Certificate No. LM062823466VSJW **Certificate Issued Date:** 06/28/2023
Calibration Date: 06/28/2023 **Due Date:** 06/2025 **PO#:** 70019362

Customer: LINEAR MEASUREMENT INSTRUMENTS **Contact:** ALAN BAGGETT
Address 101 N ALLOY DRIVE 810-714-5811
 FENTON, MI 48430

Measurement System

Make/Model METRONICS QC200
 Serial #: 43535844H
 Scales RSF 002 UM 6PIN ROUND

Error Comp	As Found	As Left
X	6.0000	6.0002
Y	4.0001	4.0000
Z		

Machine Information

Manufacturer FLEXBAR
 Model OPTIFLEX
 Serial #: 466
 Customer ID#:
 Condition of Machine: GOOD

Squareness

	Squareness			Camera Angle	
	As Found	As Left	Uncertainty	As Found	As Left
XY	.0004	.0004	0.000117	0	0
YZ					
ZX					

Environmental Conditions

	Beginning	Ending	Range
Temperature (°F)	70.2	70.3	0.1
Humidity (RH%)	51.5	51.6	0.1

Parcentricity

Magnification	Actual Position X			Actual Position Y		
	As Found	As Left	Uncertainty	As Found	As Left	Uncertainty
High						
Low						



A.A. Jansson, Inc.
 Precision Measuring Service and Equipment
 2070 Airport Road • Waterford, MI 48327
 Phone (248) 674-4811 • Fax (248) 674-1234



Vision System Certificate of Calibration

Certificate No. LM062823466VSJW

Certificate Issued Date: 06/28/2023

Page 2 of 3

Calibration Date: 06/28/2023

Due Date: 06/2025

PO#: 70019362

X Axis				Y Axis			Z Axis			
Nominal	As Found	As Left	Uncertainty	As Found	As Left	Uncertainty	Nominal	As Found	As Left	Uncertainty
1.0"	1.00000	1.00000	0.000099	0.99990	1.00000	0.000099	1.0"			
2.0"	2.00000	2.00000	0.000100	1.99990	2.00000	0.000100	2.0"			
3.0"	3.00010	3.00000	0.000102	2.99990	3.00000	0.000102	3.0"			
4.0"	4.00010	4.00000	0.000104	3.99990	4.00000	0.000104	4.0"			
5.0"	5.00010	5.00000	0.000105				5.0"			
6.0"	6.00010	6.00000	0.000107				6.0"			
7.0"	7.00020	7.00000	0.000108				7.0"			
8.0"										
9.0"										
10.0"										
11.0"										
12.0"										
13.0"										
14.0"										
15.0"										
16.0"										
17.0"										
18.0"										
19.0"										
20.0"										
21.0"										
22.0"										
23.0"										
24.0"										
25.0"										
26.0"										
27.0"										
28.0"										
29.0"										
30.0"										

Comments

NON PARCENTRIC



A.A. Jansson, Inc.

Precision Measuring Service and Equipment

2070 Airport Road • Waterford, MI 48327
Phone (248) 674-4811 • Fax (248) 674-1234



CERT # 1182.01

Vision System Certificate of Calibration

Certificate No. LM062823466VSJW

Certificate Issued Date: 06/28/2023

Page 3 of 3

Calibration Date: 06/28/2023

Due Date: 06/2025

PO#: 70019362

Equipment used in calibration listed below:

TS-WF-1 Glass Master #550

TS-WF-1 Glass Master RAM #619

TS-WF-2 Temperature and Humidity Gage #TEMP-001

Unless otherwise noted in comments the following will apply;

1. No compliance statement will be made unless customer supplies tolerance and decision rule requirements.
2. This is an endorsed Calibration Certificate (A2LA 1182.01 valid until 8/31/2024) in accordance to ISO/IEC 17025:2017.
3. Data is "As-Found" and "As-Left"

Reported Measurement Uncertainties are based upon a 95% confidence level, $k=2$. This report shall not be reproduced, except in full, without written permission by A.A. Jansson, Inc. The results reported relate only to the items calibrated. Any number of factors may cause the subject of this calibration to drift out of calibration before the calibration interval has expired. Calibrations performed in accordance with the A.A. Jansson Calibration Method CM 22.0 rev.3 dated 2/14/2023 and Quality Assurance Manual Revision 10, Dated May 29, 2020.

We certify the equipment used for this calibration is traceable to the International System of Units (SI) via standards traceable to NIST or other National Metrology Institutes (NMI).

Service Technician: JEREMY WISNIEWSKI

Authorized By:



Mark Herwick - Service Technician



A.A. Jansson, Inc.

Precision Measuring Service and Equipment

2070 Airport Road • Waterford, MI 48327

Phone (248) 674-4811 • Fax (248) 674-1234

Since 1961

