



15300 25th Avenue North • Suite 200 • Plymouth MN 55447  
P 763.249.8130 • F 763.249.8150 • www.GageSite.com

## Certificate of Calibration

Certificate Number 324727

Prepared For:  
DONATELLE PLASTICS, INC.  
501 COUNTY RD E2 EXT  
NEW BRIGHTON, MN 55112



Equipment Description OPTICAL COMPARATOR, 20 INCH

I.D.:	I-4008	Serial Number:	QL200702
Manufacturer:	OGP	Model Number:	QL20 COMPARATOR
Gage Type:	OPTICAL COMPARATOR	Procedure Used:	OPT. COM. 5.4_58
Temp.:	72.40 F	Performed By:	RICH WOLTERS
Cal. Date:	06/29/2022	Cal. Interval:	1 YEAR
Cal. Due Date:	06/29/2023	Calibration Result:	PASS
Condition Received:	IN TOLERANCE	Unit Of Measure:	INCH
Condition Returned:	IN TOLERANCE		

### Test Points

Description	Standard	Tolerance -	Tolerance +	As Found	Uncertainty +/-	TUR
X AXIS	.00000	-.00030	.00030	.00000	.00007	4.3
	.50000	.49970	.50030	.49994	.000072	4.2
	1.00000	.99970	1.00030	.99994	.000074	4
	1.50000	1.49970	1.50030	1.50001	.000076	3.9
	2.00000	1.99970	2.00030	1.99999	.000078	3.8
	3.00000	2.99970	3.00030	2.99998	.000083	3.6
	4.00000	3.99970	4.00030	4.00001	.000087	3.5
	5.00000	4.99970	5.00030	4.99998	.000091	3.3
	6.00000	5.99970	6.00030	6.00000	.000095	3.2
	7.00000	6.99970	7.00030	6.99986	.000099	3
	8.00000	7.99970	8.00030	7.99988	.0001	2.9
Y AXIS	9.00000	8.99970	9.00030	8.99980	.00011	2.8
	10.00000	9.99970	10.00030	9.99981	.00011	2.7
	11.00000	10.99970	11.00030	10.99970	.00011	2.6
	.00000	-.00020	.00020	.00000	.00007	2.9
	.50000	.49970	.50030	.49995	.000072	4.2
	1.00000	.99970	1.00030	.99998	.000074	4
	1.50000	1.49970	1.50030	1.49994	.000076	3.9
	2.00000	1.99970	2.00030	1.99997	.000078	3.8
	3.00000	2.99970	3.00030	2.99997	.000083	3.6
	4.00000	3.99970	4.00030	3.99991	.000087	3.5
	5.00000	4.99970	5.00030	5.00001	.000091	3.3
X SCREEN ALIGNMENT*	6.00000	5.99970	6.00030	5.99994	.000095	3.2
	7.00000	6.99970	7.00030	6.99991	.000099	3
	8.00000	7.99970	8.00030	7.99994	.0001	2.9
	.00000	-.00030	.00030	.00006		
	10X MAG. CHECK*	1.00000	.99980	1.00020	1.00000	
	20X MAG. CHECK*	.62500	.62480	.62520	.62500	
	50X MAG. CHECK*	.25000	.24980	.25020	.25000	
	100X MAG CHECK*	.06250	.06230	.06270	.06250	

Date Issued: 6/29/2022

Page 1 of 2

Certificate #: 324727



15300 25th Avenue North • Suite 200 • Plymouth MN 55447  
P 763.249.8130 • F 763.249.8150 • www.Gagesite.com

## Certificate of Calibration

Certificate Number 324727

### Test Points

Description	Standard	Tolerance -	Tolerance +	As Found	Uncertainty +/-	TUR
PROTRACTOR (DMS)*	.00	-.08	.08	.00		

\* in a test point description denotes a test point outside our scope of accreditation: ACT-1608

The uncertainty is estimated using the principles of GUM, and a simple acceptance decision rule, in accordance to ASME B89.7.3.1-2001 as it applies for conformance verification. The uncertainty applies to this calibration only and not the measurement of customer parts. The uncertainty is the expanded uncertainty, with a coverage factor  $k=2$ , representing a confidence level of approximately 95%. UUT resolution is not considered when calculating TUR.

### Standards Used To Calibrate Equipment

Serial Number	Description	Last Cal.	Cal. Due Date
0043	GLASS RETICLE, 6 X 14	1/3/2022	1/31/2027
1364	MAG CHECK SCALE	12/20/2021	12/31/2024

Tolerance in accordance with manufacturers specifications unless stated otherwise in the comments section of this certificate.

Reference: PQI 5.4\_58

The calibrations within this certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). No assurances referencing the stability of results are made beyond the date of inspection. Any number of factors may cause a calibration item to drift out of calibration before the recommended interval has expired. A Productivity Quality, Inc. Certificate of Calibration may not be reproduced except in full, without the written approval of Productivity Quality, Inc. In addition, please feel free to call us with any questions you may have on our services and on the interpretation of the data we have provided. These results relate only to the items calibrated or tested referenced in this document. We would be pleased to provide assistance over the phone, through a personal visit or by forwarding additional documentation on the practices and standards we use in our calibration services. Accredited to only ISO/IEC 17025 by ANSI-ASQ National Accreditation Board / ANAB ACT-1608.

Service Engineer: Rich Wolters