



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

*Perry Johnson Laboratory Accreditation, Inc., has assessed the Laboratory of:*

***Hammond Company  
755 Larry Court  
Waukesha, WI 53186***

*(Hereinafter called the Organization) and hereby declares that Organization 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 (as outlined by the joint ISO-ILAC-IAF Communiqué dated January 2009):*

***Calibration of Optical Comparators and Vision Systems  
(As detailed in the supplement)***

*Such testing and/or calibration services shall only be offered at or from the address given above. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.*

For PJLA:

*The validity of this certificate is mandated through ongoing surveillance.*

Tracy Szerszen  
President/Operations Manager

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
26555 Evergreen, Suite 1325  
Southfield, Michigan 48076

*Initial Accreditation Date:*  
November 20, 2003

*Accreditation No.:*  
59250

*Issue Date:*  
August 21, 2009

*Certificate No.:*  
L09-83

*Expiration Date:*  
August 20, 2011

*Page No.:*  
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# Certificate of Accreditation: Supplement

**Hammond Company**  
755 Larry Court  
Waukesha, WI 53186

*Accreditation is granted to this facility to perform the following calibrations:*

## Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	REMARKS
Optical Comparator Linear	0 in to 12 in	140 $\mu$ in	Glass Scale
	12 in to 24 in	200 $\mu$ in	
Optical Comparator Theta (Angle)	360°	0.10°	Reference Square
Optical Comparator Magnification	10X	0.061 %	Glass Scale
	20X	0.043 %	
	31.25X	0.039 %	
	50X	0.034 %	
	62.5X	0.022 %	
	100X	0.017 %	
Vision System Stage	6 in x 8 in	95 $\mu$ in	Glass Grid
	6 in x 10 in	110 $\mu$ in	
	6 in x 10 in	120 $\mu$ in	
	8 in x 8 in	100 $\mu$ in	
	12 in x 12 in	130 $\mu$ in	
	18 in x 18 in	180 $\mu$ in	
	18 in x 20 in	190 $\mu$ in	
	18 in x 24 in	210 $\mu$ in	
Vision System Z Axis	0 in to 4 in	71 $\mu$ in	Z Step Gage

1. Remarks: This column shall include pertinent information about the calibration of the Measured Instrument or parameter. The information should include the type of standards used and any pertinent information about the measurement method. This column is not to be used for commercial advertisement of laboratory services.