



J.A. King Now Offers Xenon Arc Testing!

We are excited to announce that our testing lab can now perform xenon arc testing. Xenon arc testing enables manufacturers to understand the effects of weathering exposure on their products. Common materials exposed to xenon arc weathering include paint, coatings, textiles, and interior and exterior polymeric parts.

J.A. King can perform a variety of test methods including ASTM G155 and ASTM D7869. This addition further enhances J.A. King's suite of environmental exposure capabilities, including sun simulation, salt spray, and alternating climate testing.

The team at our ISO 17025 accredited testing lab has over 80 years of combined experience in product testing. Click below to learn more about our testing capabilities or request a quote.



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Standard vs. Accredited Calibrations

We frequently field questions about the difference between a standard calibration and an accredited calibration. An accredited calibration follows a process that has been accredited by A2LA and conforms to the standards set by ISO 17025.

Although all customers benefit from J.A. King's stringent quality system and ISO 17025 accreditation, all accredited calibrations must meet additional, specific requirements identified by A2LA (our accrediting body).

Certificate Of Calibration and Traceability

Calibration Performed By: J.A. King Company
411 Jonsson Parkway Suite 300
Mooresville, NC 27660
Tel/Fax: 800.321.7727

For: Free Source Test Company - 987
909 Elm Street
Eding, NC 27617
P. O. Number: Kavia R

Procedure No.: The Handbook 44
Tolerance: 300 0B 41 Table 6
Units: 0.01
Cal Interval: 12 Months
Cal Due: 10/10/2014
Cal Due Date: 1/10/2015
Calibration Results: Pass
Technician: Rebecca, Kevin

Performed At: 1111
Equipment ID: 1111
Manufacturer: Jony High Train
Model Number: WS 122
Serial Number: 1111
Description: Truck Scale
Capacity & Resolution: 120000 x 0.01 lb
Department: Yard

Remarks: In Tolerance Mean 10011 Handbook 44 Table 6 Specifications.

Increasing Test									
Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty	
	4000	4400	4520	P	4500	4500	lb	13	
	8000	8400	8520	P	8500	8500	lb	14	
	12000	12400	12540	P	12500	12500	lb	15	
	16000	16400	16540	P	16500	16500	lb	16	
	20000	20400	20540	P	20500	20500	lb	16	
	24000	24400	24540	P	24500	24500	lb	17	

Decreasing Test									
Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty	
	12000	11600	11540	P	11500	11500	lb	15	

Zero-Load Distance Change									
Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty	
	0	-20	20	P	0	0	lb	12	

Comes Test									
Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty	
Comes 1	24000	24400	24520	P	24500	24500	lb	17	
Comes 2	28000	28400	28520	P	28500	28500	lb	17	

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[READ MORE ABOUT THE ADDITIONAL REQUIREMENTS](#)

Optical Comparators vs. Video: Bridging the Gap

Optical comparators have been a mainstay of the inspection process for over 90 years. They are robust, easy to use, and provide a cost-effective solution for many measurement needs. Video systems are typically viewed as an upgrade in technology over comparators, and they do offer several advantages.

Nevertheless, we often work with customers that are hesitant to make the leap to a fully automated video system due to their familiarity with optical comparators.

A CCP comparator with their exclusive VidiProbe option enables you to bridge the gap between old and new technology. VidiProbe adds a digital video camera inside the comparator's optical system to digitally analyze and measure the image with Measure-X 2D software.

This creates a hybrid system that can be used as either a traditional optical comparator or as an automatic vision system - essentially providing you with two systems in one!



VidiProbe offers a number of advantages including:

- Low cost entry into video measurement technology
- Automatic measurements with no reliance on operator skill or judgement
- Ability to measure surface images that are difficult or impossible to measure with a comparator
- Digital zoom enables measurement on a smaller screen size without changing magnification lenses- saving you money and real estate
- Intuitive Measure-X 2D software makes it easy to set up routines

[Click to learn more about VidiProbe Technology](#)

Interested in the latest technology, but still have an old comparator sitting in the corner of your quality lab? We offer a trade-in program that pays you for your old comparator to make upgrading even easier.

[LEARN MORE](#)