



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.



[LEARN MORE](#)

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
951 Aviation Parkway Suite 300
Minterville, NC 27950
Mail Order: 800-321-7727

For: Peter Stone Test Company - 087
999 Elm Street
Edenburgh, NC 27817
P.O. Number: Servis R.

Procedure No.: No Handbook #1
Tolerance: 260 300 41 200 4
Temp. RH: 77 F / 12%
Cal Interval: 3360072835
Cal Date: 10/30/2014
Cal Due Date: 1/30/2015
Calibration Results: Pass
Technician: Robinson, Kevin

Performed At: Equipment ID#
Manufacturer: Avery-Weigh-Tronix
Model Number: W3 125
Serial Number: 1151
Description: Truck Scale
Capacity & Resolution: 120000 20 20 lb
Department: Test

Customer Loc: 1111
Avery-Weigh-Tronix
W3 125
1151
Truck Scale
120000 20 20 lb
Test

Remarks: In Tolerance Item: 2021 Handbook #1 Table # Specifications.

Increasing Test								
Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
	4500	4400	4520	P	4500	4500	lb	13
	8500	8400	8520	P	8500	8500	lb	14
	12000	11900	12040	P	12000	12000	lb	15
	16000	15800	16140	P	16000	16000	lb	15
	20000	19800	20140	P	20000	20000	lb	16
	24000	23800	24140	P	24000	24000	lb	17

Decreasing Test								
Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
	12000	11900	12040	P	12000	12000	lb	15

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

Corner Test								
Description	Nominal	Tolerance -	Tolerance +	Results	As Found	As Left	Units	Uncertainty
Corner 1	24000	23800	24140	P	24000	24000	lb	17
Corner 2	24000	23800	24140	P	24000	24000	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](#)