

## The Importance of Sun Simulation Testing on Consumer Goods



J.A. King's Testing Lab

### Will your product stand up after prolonged exposure to the sun?

When making products that will spend most or all of their life outside, it is critical to ensure they will stand up to the elements. Specifically, you must make sure they will maintain both functionality and appearance after prolonged exposure to the sun. For this reason, items such as vinyl siding, outdoor furniture, play structure components, outdoor monitors, awnings, shades, and umbrellas should be tested for the effects of sun exposure.

There are two types of testing for exposure to sunlight – xenon arc testing and full spectrum solar simulation.

At J.A. King's testing lab in Greenville, SC we have a xenon arc chamber as well as two sun simulation chambers large enough to accommodate a vehicle. Our team of test engineers can work with you to create a test protocol that will meet your needs or meet specific test standards such as MIL-STD-810G Method 505.5.

[Continue Reading](#)



### Why Renting a Scale Could Be a Better Option than Buying One

J.A. King is a full-service precision measurement company, which means we can provide new product sales and calibration for pretty much any scale that's out there. And we'd be very glad to sell you one. But did you know that there are times when it makes more sense to rent a scale, rather than buying one?

Getting accurate data is extremely important and a scale is one way of collecting it. But scales require some upfront investment, ongoing calibration, maintenance and storage. In certain situations, it may make more sense to rent a scale from J.A. King than buy one. Click [here](#) to learn when it's better to rent, rather than buy, a scale.

J.A. King has several different types of scales to rent, depending on which situation you're in.

- Counting scales: Ideal for inventory because you can accurately determine the quantity of items you have from the weight of a small sample. It's a huge time savings during busy inventory periods.
- Floor scales: For larger or palletized products. Depending on your application, they can also be portable for added convenience or supplied with ramps to make it easier to wheel items on and off the scale.
- Crane scales: For overhead, temporary weighing applications
- Reel counters, balances, wheel weighers and much more

[Request a Rental Quote](#)

### Take Advantage of IRS Section 179 and Bonus Depreciation before 2020

#### Write-off the entire equipment for the current tax year

If you need to purchase capital equipment, take advantage of IRS Section 179 before December 31, 2019. If you buy (or lease) a piece of qualifying equipment, you can deduct the full purchase price (up to \$1,000,000) from your gross income.



[Click here to learn more about Section 179](#)

#### EXAMPLE:

Equipment Cost:	\$ 50,000.00
First Year Write-Off:	\$ 50,000.00
<i>\$1,000,000 is the max. Section 179 write-off</i>	
100% Bonus Depreciation:	\$ 0.00
<i>On any remaining value above \$1,000,000</i>	
MACRS 1 <sup>st</sup> Yr. Depreciation:	\$ 0.00
<i>Depreciation 20% year 1 (assuming 5 year property NY convention)</i>	
<b>Total 1<sup>st</sup> Yr. Depreciation:</b>	<b>\$ 50,000.00</b>
Tax Savings Assuming Rate of 21%:	\$ 10,500.00
<i>Equipment Cost x 21%</i>	
<b>1<sup>st</sup> Yr. Net Cost After Tax Savings:</b>	<b>\$ 39,500.00</b>
<i>Equipment Cost - Tax Savings</i>	

[Discuss Your Capital Equipment Purchase](#)