



## Sonic Air “neutralizes” blow-off system

### Customer:

North American Lighting (NAL)  
Flora, IL

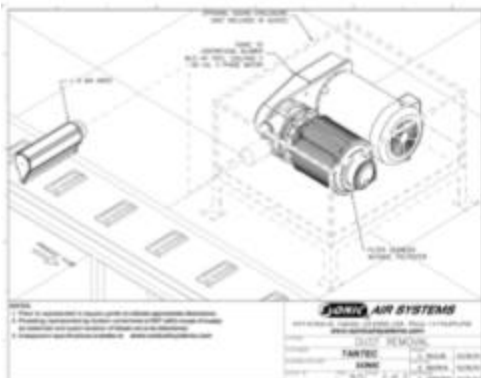
### Sonic Sales Partner:

Andy Grzesik @ Tantec Inc

### Application:

North American Lighting required a system to remove contaminants from the interior parabola of automotive lens as well as other similar products prior to applying coating. This ensured that their next process, coating, would be clear of any particulates. North American Lighting is a leading manufacturer of Automobile lighting products. NAL engineers work with vehicle manufacturers from concept to product launch in tailoring lighting products to new model specifications and are the market leader in innovative lighting. So it was no wonder that when they required a blow-off system that they looked to those with that same commitment to providing “Best-in-Class” products.

N.A.L. is headquartered in Flora, Illinois, which houses their forward lighting operation producing Headlamps, Fog Lamps, Tail Lamps & Reflectors. Both their Flora and Salem plants have been benchmarked as world standards for the production of Best-in-Class high quality products.



### Previous Methods:

For this type of application, the customer created a “down draft” work area where the operator would transfer the parts by hand under a high velocity ionized air stream to liberate any particulates, and when liberated, caught in the downdraft for collection.

But the customer used the most available resource in the plant, compressed air. They combined the air with (3) Ionizing nozzles, and never quite received the expected results.



### The Sonic “Engineered” Solution:

The Sonic system was designed to produce a high velocity ionized air stream to remove contaminants from the interior of lens, prior to coating. A operator will pick up the lens and pass them through the high velocity ionized air stream. The Sonic system includes (1) 60” air knife **where static neutralization will be nearly instantaneous** based on the method of operation.

This system is powered by a Sonic 100 with a 20hp motor. Tantec included a hazardous duty Static neutralization system to be installed onto the air knife. So far the system has proven to be a **cost effective solution**, as well as providing the level of cleanliness required.

