

# W. H. Cooke Times

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HANOVER, PA

FREE

## Cleaning Validation (CIP)



Page 3

## Quarter in Review

Page 2

## Custom Applications M12-RTD



Page 4

## New Lines

Adash America - Vibration Analysis  
Inteliheat - Drum & Tote Heaters



Page 5

## Sensor of the Quarter



Page 6

Funnies

In the Community

## Quarter in Review

The 2nd quarter of 2017 for W. H. Cooke & Co. kept us busy helping new customers with unique applications. One of those applications is for sensors and heaters found on form, fill, seal packaging machines used in the food manufacturing industry, particularly snack foods. Often we are able to improve upon the OEM sensors and heaters by designing in improved flexibility and ruggedness that results in longer life and less down time for these high speed reciprocating machines. Please see page 7 for more information on our RTD's for form fill and seal machines.

Another area of the packaging industry where we can be very competitive is replacement parts for the Nordson Hot Melt systems. These machines apply glue/adhesive to cardboard boxes and other materials that require sealing. Here is a list of just a few of the Nordson parts that we currently sell:  
[https://www.whcooke.com/files/Nordson\\_Hot\\_Melt\\_Parts.pdf](https://www.whcooke.com/files/Nordson_Hot_Melt_Parts.pdf)

If you do not see your part number here, please call or email and we will be happy to provide a quote.

Summer is full of events and festivals around the South Central PA area and the 2017 Codorus Blast was once again, a great success. W. H. Cooke & Co. sponsored the Nature Tent <http://codorusblast.org/webroot/new2014/> and everyone always loves to see the "Dock Dogs" [www.keystonedockdogs.com](http://www.keystonedockdogs.com) making their leaps into the Lake.

We hope all of you enjoy the rest of the summer and as always, never hesitate to pick up the phone and call or email [sales@whcooke.com](mailto:sales@whcooke.com) if there is anything we can help with. Thank you for your support!

Best Regards,  
Wayne Cooke Sr.

## Cleaning Validation (CIP)

The validation of a cleaning process is mandated in virtually any

expenses on solvents and increasing the efficiency of the manufacturing equipment.

Click on picture to expand



### UV-VIS APPLICATIONS FOR IN-LINE PROCESS ANALYTICS



**TECHNOLOGY OVERVIEW**

Blue Ocean Nova's UV-VIS full spectrum sensors are industry proven in-line sensors, provide real time process parameter analysis and full transparency into your manufacturing process. Our robust design, built for industrial processes, combined with a patented self-cleaning technology make Blue Ocean Nova sensors an invaluable quality control tool for use in any process environment. Hazardous area certified while keeping the same compact design allows for easy deployment. All Blue Ocean Nova sensors present a real time digital display of process parameters, and include multiple communication options for closed loop process optimization.

#### POPULAR UV-VIS APPLICATIONS

<h5>CLEANING VALIDATION</h5> <p>Blue Ocean Nova's process sensors have been specialized to improve cleaning validation by monitoring in-line real time chemical analysis using a UV-VIS probe system. The residual product or cleaning surfactant have unique fingerprints, or spectral signatures, which offers a metric to monitor the washout process with exceptional accuracy. Some of the benefits of a spectral cleaning sensor system include:</p> <ul style="list-style-type: none"><li>• Efficient use of cleaning solvents</li><li>• Reduced contamination between batches</li><li>• Reduced cleaning times</li><li>• Increased equipment utilization</li><li>• Reduced sample handling and lab measurements</li><li>• Designed for CP and SIP</li></ul>	<h5>COLOR ANALYSIS</h5> <p>UV-VIS spectroscopy is also perfect to measure complex color variations in a production process. Our full spectrum measurement allows for quick and accurate differentiation of complicated mixtures and can also precisely measure temperature changes when the material color changes with heat treatments. Subtle color changes due to chemical changes allow processes parameters to be maintained within defined limits and ensure quality reliability. Color measurements with Blue Ocean Nova UV-VIS sensor systems are ideal for a variety of industrial applications such as:</p> <ul style="list-style-type: none"><li>• The presence or absence of a specific color in a material</li><li>• Full spectrum differentiation of colors, even while changing</li><li>• Subtle variations and exact determination of color accuracy using CIE color standard</li></ul>
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3

## M-12 RTD

W. H. Cooke & Co. can make you an RTD or thermocouple probe with an M-12 connector instead of a standard head or transition. Benefits of this design include a smaller connection than a screw cover head when there are space limitations and a convenient way to replace a sensor with a quick turn of the wrist as opposed to changing wiring from the head to the lead wire through the conduit connection.

If you have an application that would benefit from our M-12 RTD or thermocouple, please call 717-630-2222 or email [sales@whcooke.com](mailto:sales@whcooke.com)

4

## New Lines

**Adash America** manufactures Vibration Analysis equipment and is a great addition to your plant's preventative maintenance program. Please click on the images below for more information or call us to discuss.

Click on picture to view manual



4900 Vibrio M



A4910 Lubri



A4300 VA3 Pro

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Here is a short video showing the A4900 Vibrio M being demonstrated in the field.



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**INTELIHEAT**

Industrial Heating Technology  
for drums IBCs totes & containers

**Inteliheat** is the world leader in the design and manufacture of industrial Induction Drum and Base Heaters, plus Flexible Heating Jackets for Totes, IBCs, barrels, containers, and pipes of many sizes. Here is an overview of the product line:

metal or plastic containers.



**Custom Size Flexible Heating Jackets**  
Our in-house design facilities ensure that your application is suitably heated according to the demands of the individual application. All jackets are manufactured at our factory in Haverhill and will be on short lead-times.



PL003 04/15  
Registered in England No. 0869310  
VAT No. GB 759338 04



We can offer heaters for all of the items in the above pictures for ordinary locations as well as hazardous locations including Class 1 Div. 2 and Class 1 Zone 1.

We also offer induction heaters for heating barrels/drums. The drum can be lowered into the induction heater or 2 people can lift the heater and put it over the drum and lower it to the ground. We also offer the Base Heater which allows a barrel or any other container to be placed directly on top of it.





FARATHERM Base Heater

For more information, see this link:

<http://www.inteliheat.com/inductionheaters/>

If you normally put your drums in a steam room to heat them, here is a link to a cost of heating analysis showing the potential savings these heaters can provide. These are manufactured in the UK so the units are in GBP and Celsius.

[https://www.whcooke.com/files/InteliHeat\\_PLO28\\_THvsSteamCosts.pdf](https://www.whcooke.com/files/InteliHeat_PLO28_THvsSteamCosts.pdf)

5

## Sensor of the Quarter



W. H. Cooke manufactures a replacement RTD for vertical form fill machines used by snack food companies and other food manufacturers.

These machines are used to bag everything from fresh apple slices to potato chips and pretzels. The product drops from a hopper into a slot that measures and weighs the correct amount to

be dropped into the bag.

to the reciprocating action of the machine, these sensors take a beating and we sell hundreds of them annually. Usually it's easy to duplicate a failed sensor. Just send us a picture or a bad one and we can quote it.

One of the manufacturers we run into a lot is Hayssen. See the video below to get an idea of the machine operation.

<http://www.hayssen.com/our-company/video-portal/video-tortilla-chip-packaging-on-hayssen-ultima-st-vffs-bagger>

Regards,

Wayne Cooke, Sr.

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6

## Funnies

- Just read that 4,153,237 people got married last year, not to cause any trouble, but shouldn't that be an even number?
- Today a man knocked on my door and asked for a small donation towards the local swimming pool. I gave him a glass of water.
- I want to die peacefully in my sleep, like my grandfather.. Not screaming and yelling like the passengers in his car.
- If I had a dollar for every girl that found me unattractive, they would eventually find me attractive.
- I find it ironic that the colors red, white, and blue stand for freedom until they are flashing behind you.
- A recent study has found that women who carry a little extra weight, live longer than the men who mention it.
- Relationships are a lot like algebra. Have you ever looked at your X and wondered Y?



- computer. I saw it through my telescope last night.
- Strong people don't put others down. They lift them up and slam them on the ground for maximum damage.
  - I hate when I am about to hug someone really sexy and my face hits the mirror.
  - Money talks but all mine ever says is good-bye.
  - If you think nobody cares whether you're alive, try missing a couple of payments.

7

## In the Community

W. H. Cooke & Co., Inc. is a proud sponsor of the 2017 East Side 8U Hurricanes youth baseball team. Wayne Cooke Sr.'s Grandson Oliver is an All-Star infielder for the East Side 8U Baseball in Cobb County, GA. Go Canes!





The 2017 Codorus Blast was fun as always with Turkey Hill Dairy <https://www.turkeyhill.com/frozen/ice-cream> providing free ice cream and other vendors offering tasty treats, wood carvings, and a slew of other items for sale. The "Dock Dogs" were a hit as usual and if you want to see what they did last year, here is a recap:



W. H. Cooke & Co. was once again the sponsor of the Nature Tent where you can touch a live snake, hold a tarantula as my niece made me do last year, and see other interesting animals including an owl. If you want to see more of the festivities including the fireworks you can visit the Facebook page <https://www.facebook.com/CodorusBlast/>

8

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