

**SIGNALYSIS**<sup>®</sup>  
DELIVERING THE SOUND OF SILENCE™



## SIGNALYSIS NEWS

NOVEMBER 2019

*To deliver the ultimate solution experience to our customers  
with unsurpassed integrity!*

Manufacturers come to us with product quality issues. This could be an objectionable noise complaint from their customer, recognizing an internal control requirement or worse – an issue that will result (or has resulted) in costly containment.

For over 30 years our engineering teams have developed and enhanced SigQC™ as a solution that will address a broad spectra of requirements specifications specifically for 100% inspection on an assembly line.

Regardless of the application, SigQC and our Operations Team are here to solve problems that keep you up at night.

Visit our Website

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## Tech Paper: Frequency Inspection of Brake System Components

Signalysis' Solutions Engineer, Robert Cagle presented a paper: *Frequency Inspection of Brake System Components* at the [37th annual Brake Colloquium & Exhibit in Orlando](#).

Frequency inspection helps combat perceived defectiveness of a system that experiences issues, such as brake squeal, as well as to identify actual defects in the parts going out to customers. Every component has its own resonance frequencies based on the dynamics of that component. Knowledge of the resonance frequencies of each component provides insight that can prevent manufacturers from sending out defective units, whether they be perceived defects or actual defects.

Read more and request the paper [here!](#)

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## 2020 Quality Inspection Testing Seminars

Our one-day seminars provide a basic understanding of sound and vibration principles along with an understanding of end-of-line quality inspection systems. Sessions also include an introduction to Signalysis quality inspection software, SigQC™.

### 2020 Seminars

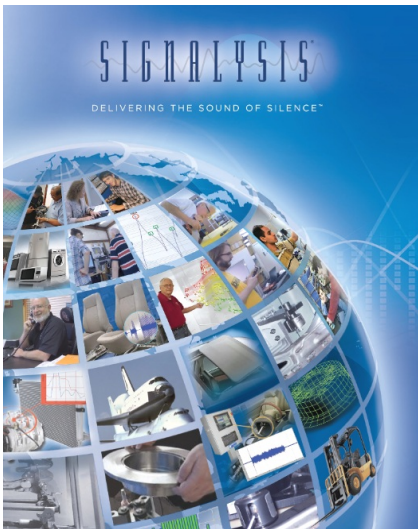
We're in the process of creating our 2020 seminar schedule. (Check our web site often for details.)



**Do you have a location to recommend? We'd love to hear about it.  
Contact us [here](#).**

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## Did You KNOW



Signalysis is much more than end-of-production quality inspection test systems. We offer a wide array of services, educational programs, products, and more.

Check us out on our [web site](#) or click through our new on-line e-brochure.

Check out our brochure [here](#).

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## ATE 2019 is in the Books!

Thanks to everyone who stopped by the Signalysis exhibit at the 2019 Automotive testing Expo. Hopefully you were able to learn more about our product quality solutions and services.

Please reach out to us if you have questions or wish to discuss your

quality challenges in more detail.



### And the Winner is...

Our own Steve Johnson recently presented Ron Beras of Ford Motor Company (left) with a set of Beats headphones. Ron is the winner of our "Sound of Silence" giveaway from the 2019 Automotive Testing Expo.

Remember, you're all winners in our book! (But only Ron gets the headphones.)



Signalysis KnowledgeBase is home to Case Studies, White Papers, Tips & Techniques and past newsletter issues. Take a minute to check it out!

Signalysis KnowledgeBase

## Quality Solutions Close to Home

No matter where you are, Signalysis has you covered. We're partnering with some of the industry's most respected sales organizations to put product quality solutions right in your back yard.

### [Foothills Independent Sales, LLC](#)

North Carolina, South Carolina

Peter Fallon: [sales@foothillsrep.com](mailto:sales@foothillsrep.com)

### [North Central Manufacturing Solutions](#)

Iowa, Minnesota, Wisconsin, Illinois

Steve Lamer: [steve.lamer@ncmfgsolutions.com](mailto:steve.lamer@ncmfgsolutions.com)

## NVH Testing Technologies

Michigan, Northern Ohio

Steve Johnson: [Steve.Johnson@nvhtt.com](mailto:Steve.Johnson@nvhtt.com)

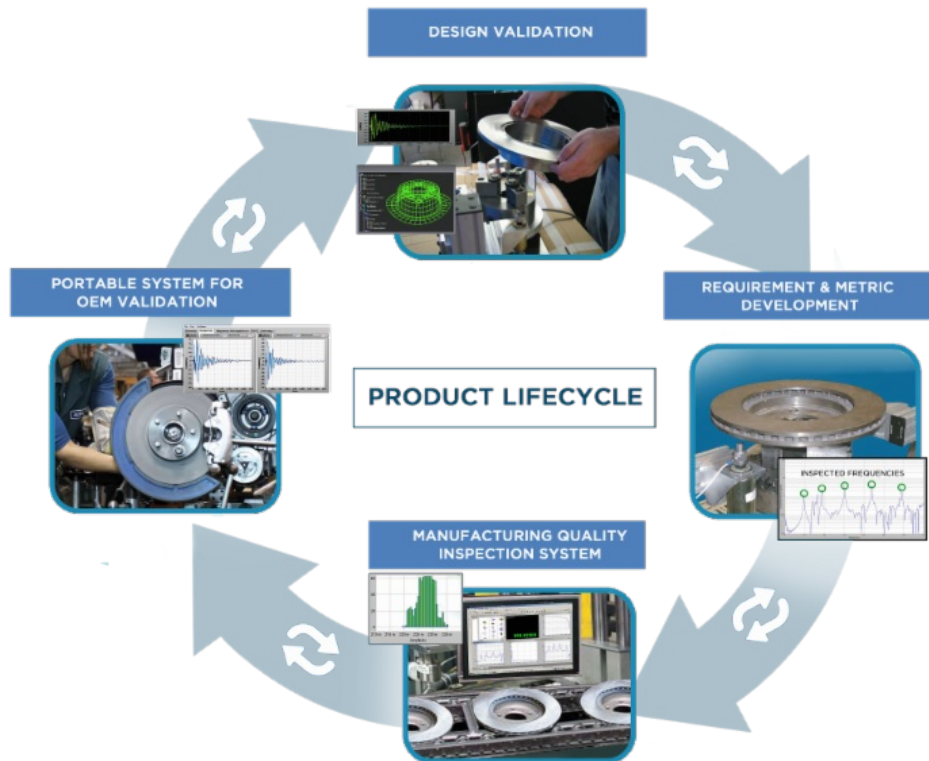
## Vertex Manufacturing Solutions

Indiana

Jeff Trotta: [jeff@vertexms.us](mailto:jeff@vertexms.us)

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# Quality Throughout the Product Life Cycle

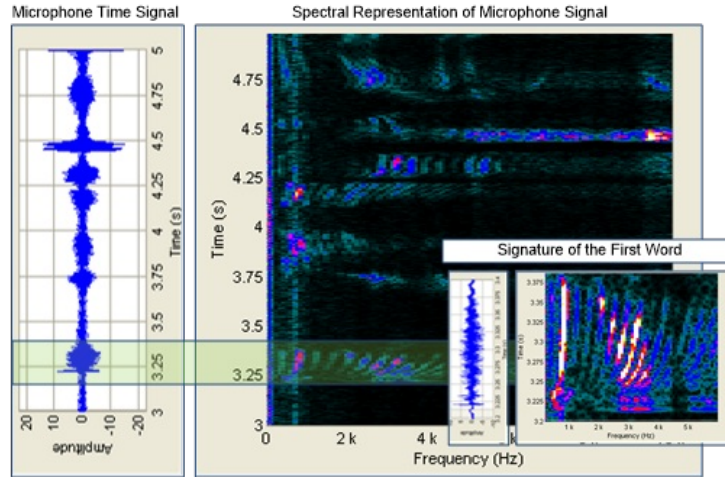


Implementing Signalysis early in the product life cycle saves time and money while boosting quality. The data flow from design validation testing leads to better requirements specifications on prints. This results in accelerating and improving the production quality inspection process. The true value comes when supplier Quality Engineers roll up to OEM and field inspections with confidence and a full complement of data to backup any complaints.

[Read More](#)

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## Case Study: Epinephrine Injector



Sudden allergic reactions can be life-threatening; and treatment must be administered immediately and properly. Often used to treat severe cases, the epinephrine injector is a medical device for administering a dose of adrenaline by means of auto-injection technology. Proper use of the pen is guided by a series of audible beeps and scripts, supported by circuit board technology.

[Read the Case Study](#)



LabVIEW integration has become a significant part of the Signalysis solutions package. We combine control system hardware design with LabVIEW automation software development to provide custom test system solutions. As a National Instruments Alliance Member, we have certified LabVIEW developers on staff.

[Read More](#)

## White Paper: Dynamic Defect Deflection (Part 1)

Wide-ranging measurement methods are applied on the assembly lines of production plants across the country. The ever-rising bar of quality demands rejection of defective products at an assurance level not imagined in years past. The future of defect detection perhaps lies in the identification of assembly line units that are not yet defective, but which could nonetheless be expected to fail prematurely in the hands of the consumer.

[Read the White Paper](#)

life is short.  
work somewhere  
awesome.

## We're Hiring!

Attention Road Warriors and Installation Technicians... We want you to join our team. If this sounds like you, or someone you know, send your resume to [Keith Coomer](#) or contact him at 513.528.6164.

## Its that time of the Year!

When's the last time you got something in the mail as satisfying as Sonny Marie's baking treats? How about last December!

What's that; you're not on our mailing list? Just drop us a line and we'll take care of that and hook you up with some of the best gluten-free treats this side of the North Pole.

Take it from us... Sonny Marie's gluten-free baked goods are something you won't want to miss out on!



## Hooked on Vibration!

Did you happen to have a copy of the September 2017 issue of *Sound & Vibration* magazine handy? If so, flip to page 8 and read how our own "NASA Bob" Coleman got his start to a stellar career and his contributions to the industry. Don't have a copy? That's OK you can read it [here](#).

Remember, nobody knows vibration like Bob Coleman; and we're making copies of his book available to you while they last. [Learn more here](#).

*"Experimental Structural Dynamics: An Introduction to Experimental Methods of Characterizing Vibrating Structures"*

Request a Copy



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