Signalysis News

April, 2016

Welcome to the April edition of Signalysis News. This month you'll read more about the Signalysis Dinger™ test system. The Dinger is an affordable, yet robustnon-destructive test inspection solution. Those searching for a solution to sort to narrowtolerances in particular will find Dinger to be a great solution. By providingusers with a wide range of options and flexibility, we ensure that the testsystem can adapt to the unique and changing requirements of each production unit failure mode.

You'll also get to know another of our dedicated employees, Rob Longbottom. The Signalysis Geek will guide you through the process of calibrating an accelerometer; and you can learn how to obtain a copy of "Experimental Structural Dynamics: An Introductionto Experimental Methods of Characterizing Vibrating Structures" - a book authored by a recognized authority in the field, Robert Coleman.

We hope that you find these newsletters to be informative and even a little entertaining. Please share this information with others and encourage them to subscribe to Signalysis News!
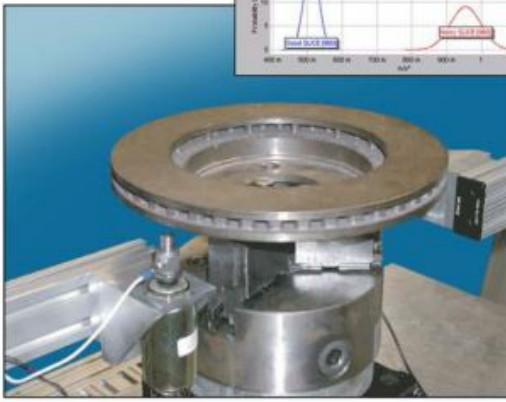
Sincerely,

Neil Coleman
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Visit our Website

Product Spotlight: The Dinger™

The Dinger is a NDT system used for batch or 100% inspection of raw or machined metal cast, fabricated, sintered, forged, die cast, or ceramic

parts. It's built on our IQC foundation that's in daily production use by customers worldwide, and has tested over a million parts.

With Dinger you can dramatically improve the shipped quality, by quickly and reliably identifying parts with either global or local manufacturing defects.

Read more here.

4 Questions 4: Rob Longbottom

As one of our solutions developers, Rob Longbottom isresponsible for any and everything tied to the development of LabVIEW-basedsoftware. As our resident expert on National Instruments software and hardware,Rob also helps with the development of SigQC, custom software applications,and In-house R&D software.

1. Hi Rob. Can you tell us a little about yourself?
I was raised in Cincinnati and attended Curé of Ars - a small Catholic grade school. After graduating from Glen Este High School, right up the street from the Signalysis' office, I enrolled at the University of Dayton, where I completed four semesters of a ComputerScience degree. In December of 2006 Ibegan working at Signalysis as a full-time co-op. I transferred to Northern Kentucky University and worked full-time at Signalysis while pursuing a double major in Computer Science and Statistics. I finally graduated in spring of2014.

2. What do you like best about working at Signalysis?
The atmosphere and feeling that I'm part of a family is really special. I enjoy the freedom and responsibility to explore new pieces of technology,learning how they work, and integrating them into our software. In addition to my work with LabView applications, I am working on exploring how emerging technologies, such as Google Glass , can be leveraged and integrated into our testing applications.

3. What are some of the things you'velearned along the way?
As someone who has never taken a physics course in hislife, I can safely say that everything I now knowabout modal analysis, sound and vibration, mechanical and electricalengineering I've been taught at Signalysis. Being a developer who needs to integratethese concepts and functionalities into software, these were important concepts for me to grasp.

4. Last question. What's something about that not many peopleknow about you? Any hidden talents or interesting experiences?
Although not always the case, today I'm somewhat of a car enthusiast. My firstcar was a 1991 Nissan 240sx - a sporty rear-wheeldrive two door coupe. It happened to be the only car within my price range so I bought it for $1500. At the time I was

more interested in video games than cars. After some research I discovered the car had a huge cult following which got me interested in making upgrades to it. Even before I knew how to drive stick, I replaced itsautomatic transmission with manual. I hung on to that car for 5years before selling it, during which I dumped way too much money into it,and competed in several SCCA autocross events and a couple US Driftevents. I regret sellingthat car, and have owned two more 240sx's including the one I currently drive.

Down the Stretch They Come!

Enter our "Run for the Roses" contest and win a $50 gift card!

WIN with SigQC™

PLACE your Quality Inspections Requirements on our backs.

SHOW your customers that you mean business when it comes to quality

It's easy to enter:

- Pick your horse **and** winning time
- Send your entry here

Winning time will be used as a first tie-breaker. A random drawing will be held should a second tie-breaker be needed.

One entry per person. Entries must be received by 12:00 PM on Friday, May 6, 2016 to be eligible to win.

Ask the "Geek"

Question: What's the proper way to calibrate an accelerometer?

The Geek Responds: In testing, data integrity is directly tied to the accuracy of the instrument used to collect it. Accelerometers are very sensitive instruments requiring frequent calibration. Follow this link to a step-by-step walk through of the process.

Do you have a testing or software question for the Signalysis Geeks? Send them here.
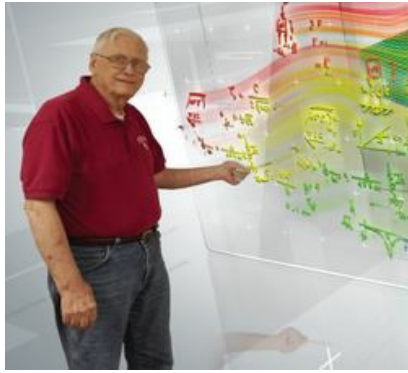
Get Your Copy Today

Bob Coleman, Signalysis Senior Applications Specialist, has authored a book "Experimental Structural Dynamics: An Introductionto Experimental Methods of Characterizing Vibrating Structures".

Go here to read more and learn how you can obtain a copy.

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Signalysis
Delivering the Sound of Silence

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