



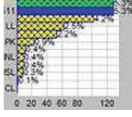
SIGNALYSIS®

Signalysis Design Validation solutions help ensure that product quality requirements are defined in the early stages of new product development and throughout the product lifecycle. Inspection test data is fed back to design and manufacturing for continuous quality improvements.


Application History



2020
Adopted EOS™ with Head Acoustics™



2018


2017
Introduced Real-Time Pareto


Introduced SigQC Design Time
2015


2012
Medical Applications


SigQC Interface to Q-DAS™
2008
The Dinger for FRF-NDT-Nodularity



2000
LabVIEW™ Certification


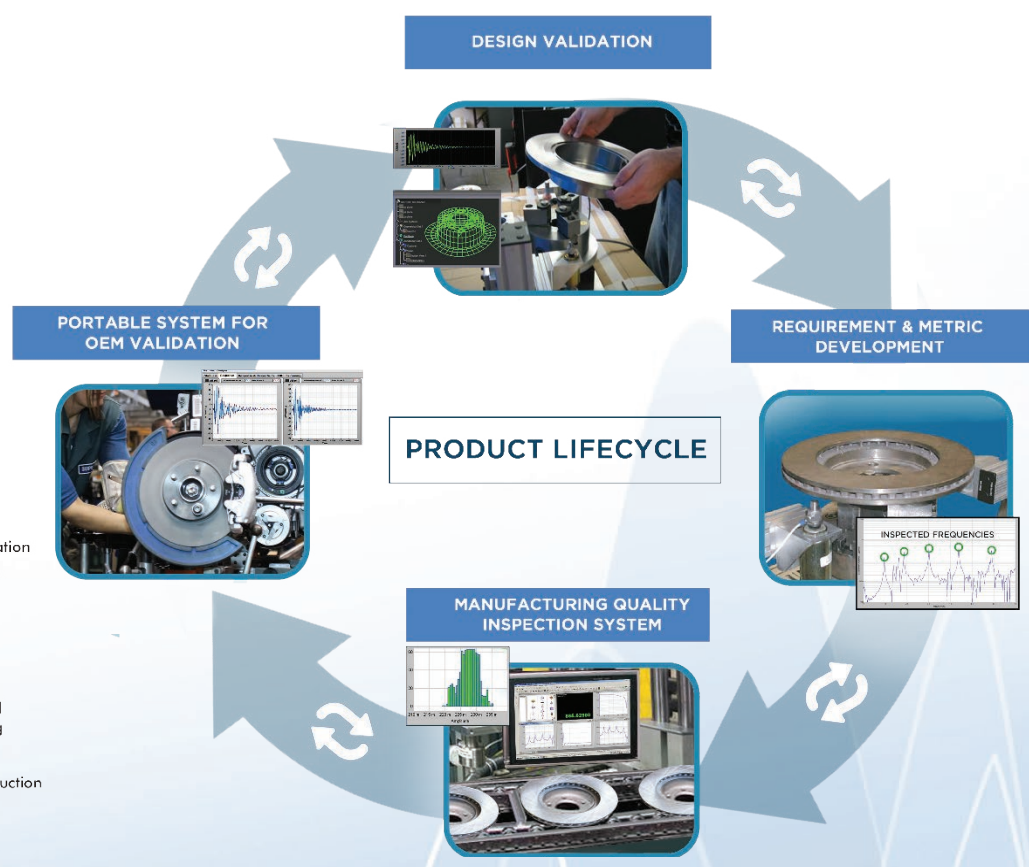
SLAM Introduction
1997
Indy Car Wind Tunnel Testing
RotorQ Introduction


1996
SigQC Introduction

1990
RIDE Roller Coaster Testing Software

 $F=MA$

Sir Isaac Newton Publishes His 1st and 2nd Laws in 1687

Modern Science Begins




1987
Signalysis Founded in 1987


Experience at NASA, SDRC
IQC European Introduction

2000
Asia Sales Channels Established
IQC Introduction Singapore

2010
Signalysis 2010 Expansion

2012
Introduced NVH Seminar Series


2017
Saltillo, Mexico Sales & Support

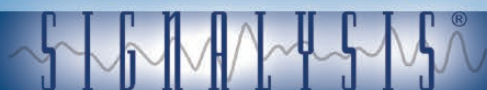
2020
Completed EOS™ Implementation

Signalysis History

TO DELIVER THE ULTIMATE SOLUTION
EXPERIENCE TO OUR CUSTOMERS WITH
UNSURPASSED INTEGRITY!



CALL: 513-528-6164



WWW.SIGNALYSIS.COM

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All other brand and product names are trademarks of their respective owners



At Signalysis we pride ourselves in providing the ultimate solution experience with unsurpassed integrity. Our approach to problem-solving is rooted in several careers worth of research, development and test applications experience. Signalysis senior staff helped pioneer many of the testing tools, techniques, and best practices that have become the standard. Today we apply this wealth of experience to help our customers ensure product quality.

SERVICES

Knock-your-socks-off service... is more than a catchy slogan at Signalysis; it's what we are all about. Our engineers, technicians, and developers apply a wealth of hands-on laboratory, production line, and field testing experience to solve critical quality problems.

CONSULTING

Whether you are looking for a short or long-term consulting engagement, training, or custom software development, Signalysis has the solution to fit your needs, time-table, and budget.

TRAINING & SEMINARS

From in-house training on theory and applications to workshops at our facility, Signalysis provides a variety of education and training options. We offer personalized attention and plenty of hands-on experience. Contact us to schedule your next individual or group training session. Signalysis schedules seminars in a number of cities throughout the year. Check our website often for seminars near you; or request a seminar in your area.



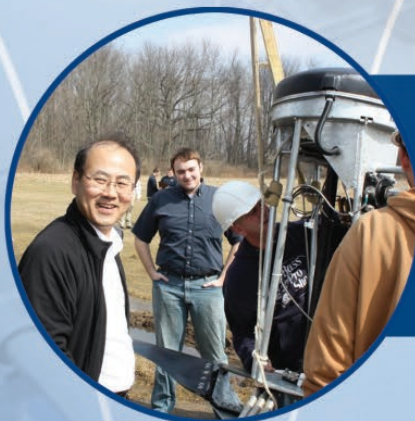
PROVIDING CONFIDENCE

We eliminate subjective testing by quantifying customer complaints and other objectionable noises to help you deliver defect-free products.

PRODUCT VALIDATION TESTING

When it comes to quality there's no room for subjectivity or guesswork. Signalysis validation testing helps ensure that product quality requirements are defined in the early stages of product development. Implementing Signalysis throughout the product lifecycle boosts quality while saving time and money.

The data flow from design validation leads to better requirement specifications on prints. This in turn improves the production quality inspection process. The true value comes when supplier Quality Engineers roll up to the OEM for field inspections with a full complement of data to support the quality of their product.



PUTTING EXPERIENCE TO WORK

We draw from the expertise of electrical and mechanical engineers, mathematicians, physicists and certified programmers to deliver a solution designed just for you.

NVH QUALITY INSPECTION TEST SYSTEMS

Noise and vibration have a direct correlation to product quality, customer satisfaction, warranty claims, conformance to industry standards, and ultimately profitability. We work with OEMs and suppliers throughout a wide variety of industries to solve these and other costly quality issues.

We combine traditional NVH laboratory modal analysis, sound quality, gear testing, and motor dynamics test methods bringing 100% inspection confidence to your manufacturing floor. Signalysis test systems are powered by our proprietary SigQC™ software which is robust and compatible to any test application.

NON-DESTRUCTIVE TESTING

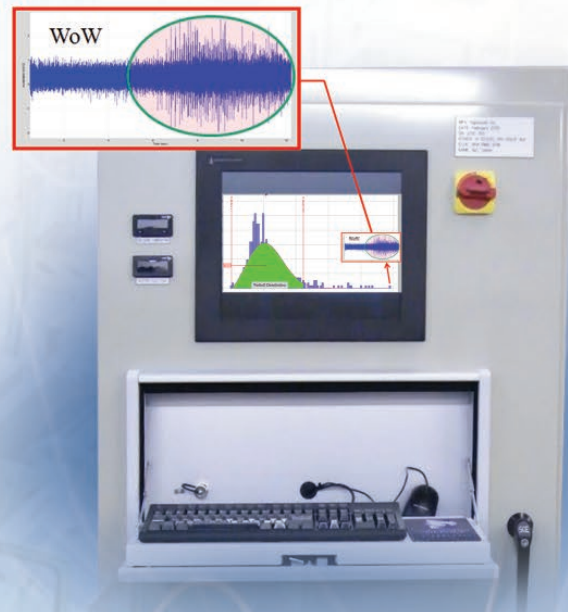
Non-Destructive Testing (NDT) is a process to evaluate/inspect the properties of raw or machined parts without causing damage. Signalysis NDT experience and solutions include Resonance Frequency Inspection, Eddy Current, and Ultrasonic. The Dinger, Signalysis' non-destructive test solution, provides PASS/FAIL parts testing.

- Resonant Frequency Inspection
- Damping and Q-Factor
- Locate Surface and Subsurface Flaws
- Fast Crack Detection in Powdered Metal Parts
- Quick Detection of Gray vs Ductile Iron
- Nodularity Inspection Without the Destruction



THE EXTRA MILE

From turnkey quality inspection systems to custom software development and technical consulting, we'll show you what knock-your-socks-off service is all about.



INNOVATIVE SOLUTIONS

We bring a fresh perspective in delivering solutions tailored to your unique requirements and challenges.

FUNCTIONAL TEST SYSTEMS

CUSTOM APPS

For more than 30 years Signalysis has been providing application design and development for custom test systems. Using proven, industry-tested object libraries, we will develop software applications to your exact specs, enhance and modify existing in-house programs and improve your development schedules. We've adopted an agile scrum methodology to ensure a collaborative application development environment.

LabVIEW™ INTEGRATION

LabVIEW integration has become a significant part of the Signalysis solutions package. We combine hardware design with LabVIEW™ development to provide custom automated test solutions. Our staff of certified LabVIEW developers is ready to accept your challenging applications.



CUSTOM APP DEVELOPMENT

Our certified developers will work closely with you to design and develop software applications to meet your specific needs.

- LabVIEW Development Environment
- National Instruments™ Hardware (PXI, cRIO, cDAQ)
- Reporting in HTML & Office Suite Platform
- Cycle Time Optimization
- Custom Software Development
- IIoT
- Database Connectivity
- Automated Inspection
- LabVIEW Real-Time
- Machine Control
- HMI Layout Design
- LIN bus

IT'S NOT ROCKET SCIENCE

But we really do have a rocket scientist on staff... just in case.

