

Vibration Analysis Training

For ISO Category I-IV Analysts

Creating the world's best and most highly recognized vibration analysts through superior training programs and ISO accredited certification.





Vibration Analysis Training is Critical

The decision to take a machine or process off line to make urgent repairs can be costly. The lack of decision to repair a troubled machine can have catastrophic failure. Plant management makes these decisions, but trusts their condition monitoring analysts to make accurate recommendations. Failure in this trust is likely to result in otherwise avoidable outages.

Leading machine analysts are those that do instill trust in their management with their skills to accurately identify machine faults and predict future machine failure.

But an alarming percentage of condition monitoring programs fail. The most common cause is that technicians chosen to become analysts don't have the skills that develop trust by management and the operating groups in the organization. Faults are missed and recommended repair action is postponed. Failures occur and trust declines.

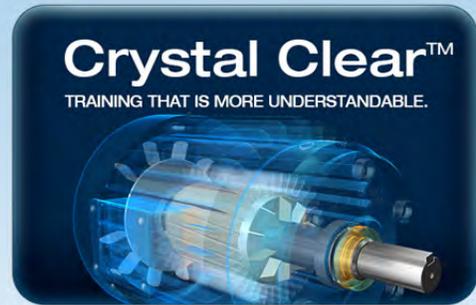
What happened? You bought good quality data collectors and software, your technicians attended name-brand courses and passed the exams. *"Why do my analysts lack confidence as they answer my questions? Why don't we realize the benefits that are promised with condition monitoring? Perhaps the technology is flawed?"*

There is a better way

The technology is proven, your data collectors and software are adequate. Your technicians are smart, but commonly lack a good understanding and confidence in predicting machine faults. Many training courses do not provide a deep level of understanding and develop an analytical way of thinking. Passing these courses only proves one's ability to memorize concepts, functions and spectral patterns. Simply put, this form of training serves the exam, but is inadequate to develop skilled and competent vibration analysts. There is a better way, delivered only by the Mobius Institute.

Crystal Clear™ Training

Mobius Institute's founders recognized these shortcomings and made it our mission to develop new training methods and materials that make complex concepts easy to understand. Customers of the Mobius Institute truly become the best analysts because our training is not based on memorization, but engaging material and interesting and descriptive 3D animations and interactive simulators that allow advanced topics to be experienced and understood. Mobius' Crystal Clear™ training delivers far more AH-HA! moments than that of any other training organization, period.



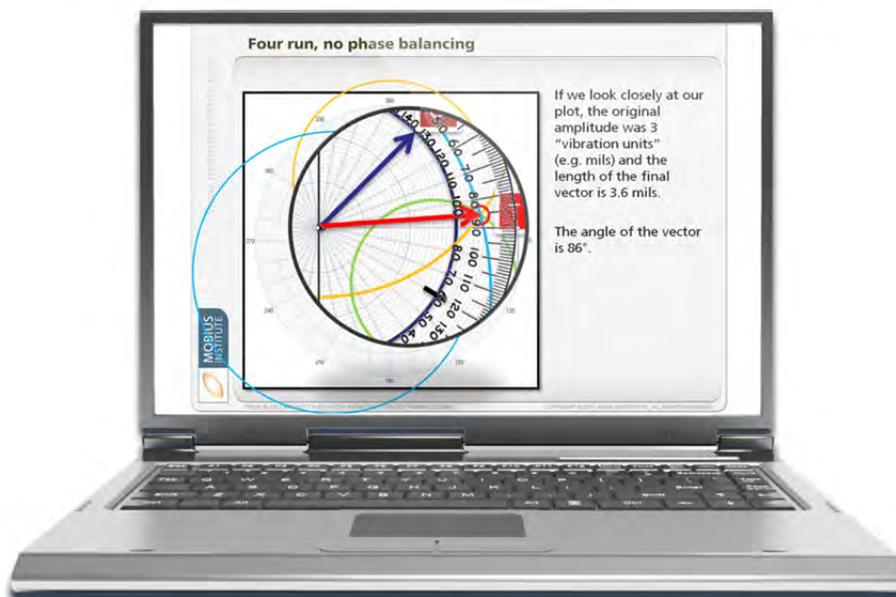
Mobius' Crystal Clear training is delivered through e-Learning courses via DVD and the web, by Distance Learning courses, and through traditional public and on-site classroom courses.

One differentiator when you register for a Mobius course, is that you gain immediate access to the Mobius Learning Zone via the Internet, where you can begin going through the course teachings given by our virtual instructor. This will allow you to become accustomed to the topics and find which will be the most challenging before the class begins. As well, the Learning Zone remains available to you for months after the course, so you can continue to review our live materials, animations and simulators, further solidifying what you've learned.

In addition, through our on-site and public classroom courses, students interact with the trainer in confidence using wireless polling devices that allows the trainer to know privately who needs extra attention in which areas. Our goal is to make everyone successful without the embarrassment in letting the whole class know that an individual needs more help.

ISO Accredited Certification

Through the Mobius Institute Board of Certification (MIBoC), we are ISO/IEC 17024 accredited and offer vibration analysis certification to our students per ISO standard 18436-2 Category I through Category IV levels. There is no better recognition available anywhere in the world. ISO accredited certification and learning the Mobius Way means that you carry the strongest qualifications and knowledge of all vibration analysts, worldwide.





Our Worldwide Reach

Mobius Institute Training Centers

Mobius Institute has authorized training centers in over 50 countries. Our training partners are experts in vibration analysis and condition monitoring technologies and have experience training in the Mobius Way, so you can be confident that you are making a great investment in training, no matter where in the world you are.

We Train More Analysts than Anyone!

Mobius trains more analysts than any other vibration analysis training organization. Since we took our training to the public classroom in 2005, we have trained over 20,000 vibration analysts who come from over 160 countries around the world. No other vibration analysis training organization comes close to the reach and quality of Mobius Institute.



Training Courses

Vibration Analysis

Basic CAT I

The Vibration Technician "Basic" course is intended for personnel who are new to vibration monitoring and analysis, or those who wish to get an introduction to vibration analysis, condition monitoring and maintenance practices. The course focuses on periodic, single channel data collection and analysis for condition based maintenance programs.

Intermediate CAT II

The Vibration Analyst "Intermediate" course is intended for personnel who have at least twelve months vibration analysis experience and a basic understanding of vibration theory and terminology. The course provides an in-depth study of machinery faults and their associated spectrum, time waveform and phase characteristics.

Advanced CAT III

The Vibration Specialist "Advanced" course is intended for personnel who have at least two years vibration analysis experience and a solid understanding of vibration theory and terminology. This course is designed for the senior vibration analyst and program manager who must be able to diagnose the widest range of vibration related fault conditions, perform balancing and alignment, and understand, diagnose and correct resonance faults.

Master CAT IV

The Vibration Expert "Master" course is intended for personnel who wish to fully understand two-channel vibration measurements, structural and rotor dynamics, sleeve and rolling element bearing diagnostics, corrective action procedures and more.

Precision Maintenance Courses

Dynamic Balancing

Learn how to recognize unbalance and set up the balance job for a successful balance. We start with the basics, provide an introduction to vibration, phase and vectors, and fully explain the balancing process. You will first learn how to perform a single plane balance with vectors. You will learn how to balance a machine using the single-plane and two-plane balance function of your analyzer.

Precision Shaft Alignment

Learn how to recognize the symptoms of misalignment and why it is so important to perform precision alignment. Dial indicator methods will be covered, soft foot detection and correction will be explained, and laser alignment systems will be taught and demonstrated. Hands-on exercises ensure that you leave the course with new skills and the confidence to use them.



Computer-based Training

Distance Learning via the Web

All Mobius classes incorporate 3D animations and software simulations that really make the content easier to understand. But if the high cost of travel and accommodation, and the time away from your family and work has stopped you from receiving the training that you need, then you should consider our distance learning courses.

At a time that is convenient to you, and at a pace that works best for you, you can take our lessons and learn in a very similar way to attendees of our classroom courses. The courses follow the ISO Standards and ASNT SNT-TC-1A recommended practice. You can take the certification exam afterwards.

In addition to the lessons, hands-on videos are presented where a variety of vibration analyzers are used to perform a range of tests. This is a great way to learn. The convenience of learning from home, and the reduced costs associated with travel, meals and accommodation make this a very attractive option - especially while the world's economy is still recovering.

DVD Interactive Training Products

iLearnVibration™

Designed for the person who needs an introduction to vibration analysis, condition monitoring and predictive maintenance practices, iLearnVibration™ takes you by the hand and teaches you the absolute basics. The training assumes that you are new to vibration analysis and need to understand why we measure vibration, how machine vibration relates to machine condition. iLearnVibration will help you to master the analysis process so you can diagnose a wide range of fault conditions.



iLearnAlignment™

iLearnAlignment™ provides unique shaft alignment training that uses 3D animations that completely demystify and demonstrate the alignment process. You will see the machine from all angles and be able to fully visualize and understand the effects of misalignment and the three dimensional nature of moving and aligning the machine. You will completely understand the readings and the three-dimensional alignment process.

iLearnBalancing™

iLearnBalancing provides you with in-depth understanding of why machine dynamic balancing is so important as part of a condition monitoring and plant reliability program. It will help you understand how unbalance creates high forces that rob rolling element bearings of their full lifetime. You will understand the different types of unbalance, including static, couple and dynamic unbalance and what you need to do to correct them.



Mobius iVibe™

Mobius iVibe for Apple OS and Android OS mobile devices. Having Mobius iVibe is like having a vibration expert in your pocket! While diagnosing machine faults, iVibe provides an easy way to look up machine fault conditions based on spectrum symptoms and machine types. You'll see sample spectra, explanations of faults, and explanations of how to diagnose fault conditions.

Contact Mobius Today!

For more information about how Mobius Institute can help you to accelerate your career, contact us by email at learn@MobiusInstitute.com. In North America call us toll free at (877) 550-3400 or international at (+1) 615-216-4811. You can also visit us on the web at www.MobiusInstitute.com.

Call to find out more about MOBIUS INSTITUTE training courses, distance learning options and iLearn™ training products. Contact us toll free in the US & Canada at (877) 550-3400, international at (+1)615-216-4811 or by email at learn@mobiusinstitute.com.

Visit us on the web at www.mobiusinstitute.com.



THE BEST ANALYSTS ARE MOBIUS TRAINED™

Certification & Global Operations:
140 Balnarring Beach Road, Balnarring, Victoria, 3926, AUS
Tel: (+61)3 5989 7285

Sales & North America Operations:
600 Ericksen Avenue NE - Suite 320, Bainbridge Island, Washington 98110, USA
Tel: (+1)615-216-4811 Toll Free: (877) 550-3400



© 2017 MOBIUS INSTITUTE | ALL RIGHTS RESERVED | PRINTED IN U.S.A.