IRIS M Motion Training

Motion Amplification is a relatively new technology that allows the analyst to easily visualize minute amounts of movement that would ordinarily be invisible to the naked eye. The IRIS M Motion two day training is aimed to introduce delegates to Motion Amplification technology, as well as how to use the IRIS M equipment and software.

Course Outline

Section 1
Introduction to Motion Amplification
- Introduce Motion Amplification technology
- Discuss how Motion Amplification compares with other predictive maintenance technologies
- Review Motion Amplification vibration amplitude units

Section 2
Cameras, Lighting, and Lenses
- Gain an understanding of basic photography techniques
- Learn how to use the equipment included in the IRIS M & MX kit
- Understand common terminology associated with Motion Amplification data acquisition

Section 3
Introduction to Motion Explorer
- Introduce the four MA software applications
- Build a database hierarchy using Motion Explorer
- Launch the Acquisition and Motion Amplification applications directly from Motion Explorer

Section 4
RDI Acquisition
- Discuss RDI Acquisition settings and their impact on video data quality
- Discuss how these settings also impact vibration data quality
- Learn techniques for proper lighting

Section 5
RDI Motion Amplification
- Identify and discuss Motion Amplification tools
- Generate vibration data from Motion Amplification data
- Complete classroom exercises to practice Motion Amplification skills

Section 6
Introduction to Motion Studio
- Launching Motion Studio
- Basic functions

Section 7
Maintaining the Motion Explorer Database and Basic Troubleshooting Tips
- Import, Export, and Move Files using Motion Explorer
- Discuss Basic Troubleshooting Tips
- Review Software Licensing Options