

Vibration Monitoring for Machine Condition

Vibration analysis is considered the best “single” indicator of mechanical machinery condition.

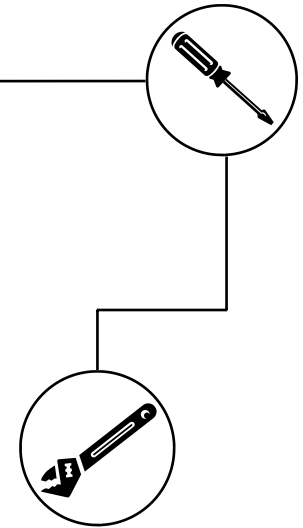
Like a Doctor giving a physical using many tools to determine a patient’s health, we use vibration as one of the tools to determine the “health” or condition of a machine. Using an accelerometer



to sense the vibration, a signal is collected from the various bearing locations of a machine. That signal is converted into a graph that we can view (called a spectrum). A certified analyst through extensive knowledge of what should and should not be present in the spectra coupled with the history present from previous readings determines if there are faults and other conditions in the mechanical system. Some Detectable Conditions include: *Bearing Defects, Gear and Gearing Problems, Improper Shaft Alignment, Pump Flow Issues, Worn or Rubbing Components, Motor Faults, Unbalance of Rotating Components, Broken Components, Loose Machine Components, Motor and System Strain and a host of others.*

Services Offered:

- **Full Service...** Our Team Does It All For You. Machine Surveys, Database Construction, Data Collection, Data Analysis, Report Generation, Follow-up On Issues
- **Recovery** Of Failed In-House Programs
- **Wireless** Data Collection
- **Remote Monitoring...** Set-up Sensors And Monitoring Equipment On-site Your Facility, MDI Accesses Via Phone or Secure Internet and Provides Reporting
- **Assistance Setting-up** In-House Programs
- **Consulting** On “Problem” Machines
- **Start-up Testing** On New And Re-built Machinery



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