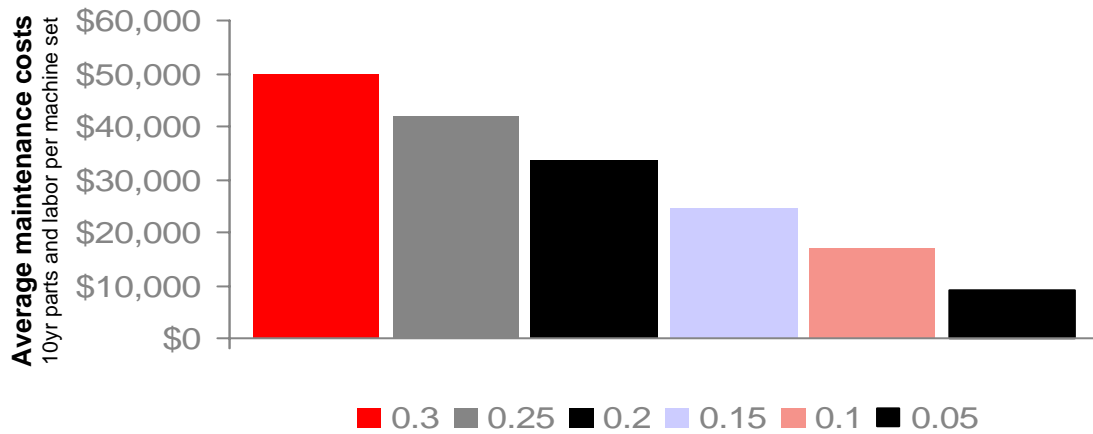




## Lower vibration levels decrease maintenance costs

Reduce the vibration amplitude on your rotating equipment to bring down maintenance costs over time



Vibration amplitude in inches per second (velocity, peak)

*\*Cost v amplitude data courtesy of Reliability Solutions LLC*

Monitor and reduce vibration amplitudes to decrease maintenance costs:

- Identify installation problems
- Minimize unplanned downtime
- Extend machine life
- Ensure machine availability
- Identify equipment problems and abnormal wear while still under warranty
- Schedule maintenance at a fraction of the cost of replacing failed equipment
- Reduce spares and inventory
- Increase Mean Time Between Failures
- Minimize impact on plant operations
- Improve plant safety

Use Wilcoxon Research vibration sensors to help measure and then reduce vibration levels

Dynamic IEPE accelerometers work with a data collector or online vibration monitoring system to monitor the vibration spectrum. These are ideal to identify the root cause of increased vibrations.

Simplified condition based maintenance (SCBM™) can be performed using 4-20 mA vibration sensors and/or transmitters from Wilcoxon. The easy-to-understand output represents the overall vibration of the machine and can easily be converted to a velocity value in inches per second. Cost effective sensors and transmitters can input directly to a plant PLC or DCS, trend vibration levels, and provide notice of increased vibration. When vibration levels increase, maintenance professionals can take steps to pinpoint the cause and plan needed repairs.

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