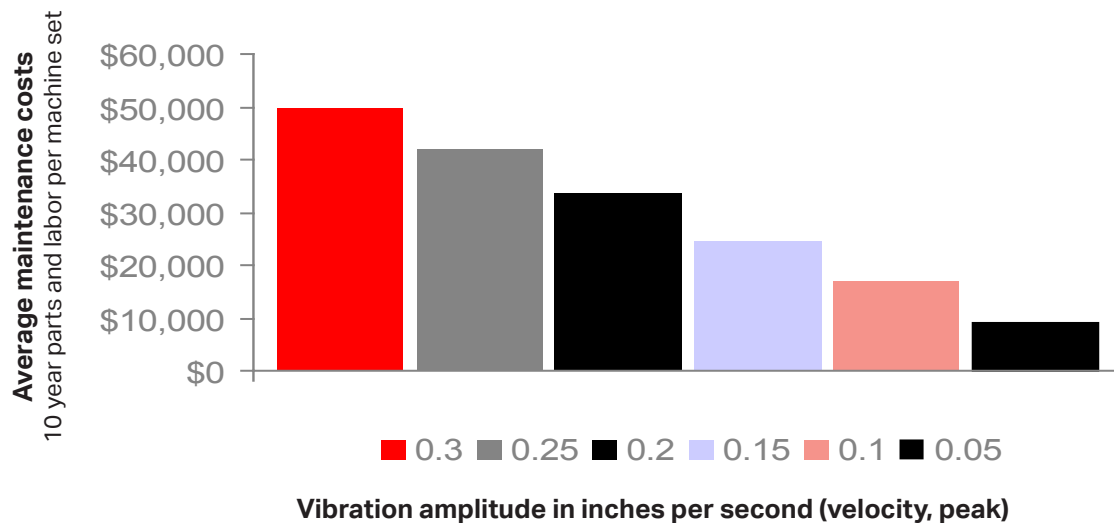


## Lower vibration levels decrease maintenance costs

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



*\*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
- >> Reduce spares and inventory
- >> Increase mean time between failures (MTBF)
- >> Minimize impact on plant operations
- >> Improve plant safety
- >> Schedule maintenance at a fraction of the cost of replacing failed equipment

### Use Wilcoxon sensors to measure and 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.