

VIBRATION ANALYSIS

There are many failure modes in rotating equipment, but the one that can cause the most long term damage is instability in the mechanical fit-up of the rotors to the stationary parts and bearings. **Power Systems & Controls** can perform a vibration analysis on your equipment and supply you with a detailed report that pin-points the root cause of the vibration. Whether it is in balance, bearings, races or brackets, the vibration analysis uses RPM, Frequency and critical speed to analyze the data.



The direct benefit of Vibration Analysis is a real-time assessment of the condition within your machine, where you most likely cannot see or hear the problem but you know something is lurking around due to the rattling of cabinetry or the slight tremors felt a few feet away. With vibration readings taken at proper intervals, you will be able to monitor the equipment. If something starts to move, you can then call for more in depth Vibration Analysis, which will allow you to trend predict and more importantly prevent an unscheduled outage due to this equipment.

If you operate a factory, you are more than aware of the potential problems that can occur with equipment that has vibration issues