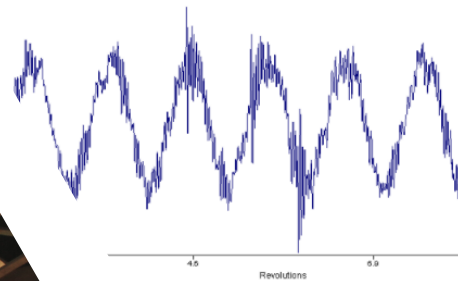




ON-SITE BALANCING



Why Balancing?

Imbalance is defined as an unequal distribution of mass causing the mass axis to differ from the bearing axis. During rotation, the unequal mass along with the rotation creates a centrifugal force.

Causes of Imbalance include:

- Buildup of particulate matter on fan blades or in hollow fan blades
- Differential temperatures between the top and bottom of the fan housing
- Accumulations of dirt and particulate matter
- Loose hub-to-shaft fit
- Improper or makeshift balancing procedures

What can be monitored?

- Building ventilation and air conditioning
- Baghouse
- Scrubber
- Conveying
- Boilers
- Combustion air
- Pollution control
- Process fans

Services Include:

- ✓ Preliminary vibration measurement on the equipment.
- ✓ Balancing of the machine using weights screwed on, welded on, etc. (depending on the features of the equipment)
- ✓ Acceptance measurement in order to verify accurate balancing
- ✓ A detailed report is submitted to the client in order to ensure a reduction of the vibrations

Benefits:

- ✓ Reduction of electricity consumption
- ✓ Reduction of constraints (mechanical, thermal) on the components of the installation
- ✓ Reduced temperature and vibration generated by the equipment

