

Pump Vibration Analysis

F.W. Webb can help you check the health of your pumps in minutes. In performing this field service, our team will use the **Fixturlaser Smart Machine Checker** to deliver accurate diagnostic reports that specify the severity and confidence level for a range of problems with your pumps, including:



- Unbalance
- Misalignment
- Bearing defects – wear, lubrication
- Shock modulation (mounting, clearance, friction)
- Structural resonance
- Gear wear
- Shock / Modulation (gear)
- Pump cavitation

We can detect more faults on more pumps more accurately and reliably than any previous diagnostic tool because of Accurex™, a patent-pending automatic diagnostic software built into the Fixturlaser Smart Machine Checker.

How it Works

- 1 The pyrometer takes the temperature of the pump to verify the diagnosis.
- 2 The camera creates a record for easy pump identification, sensor positioning and for report illustration.
- 3 A wireless triaxial sensor within the pump takes readings in the vertical, horizontal and axial directions simultaneously, making the measurement process fast, foolproof and easy.

The system's stroboscope pinpoints the pump's RPM, which is crucial for ensuring an accurate diagnosis.

