



From Condition Monitoring to confident action.

AssetWatch Vibration Monitoring helps maintenance and reliability teams detect problems earlier, prioritize the right actions, and move from alerts to expert-backed decisions.



Not Just Alerts. A Reliability Partnership That Drives Results.

Vibration is the foundation of predictive maintenance. AssetWatch continuously monitors critical rotating equipment to detect developing issues before they disrupt production. Each reading captures triaxial vibration and temperature data, with high-frequency vibration sampling between reporting intervals. AI surfaces what matters, and dedicated reliability experts validate findings, explain severity and urgency, and provide clear next steps.



Why AssetWatch Vibration Monitoring?

Pairs continuous monitoring with expert guidance that your team can act on.



Earlier Warning

Detect developing problems across rotating equipment before they become failures.



Clear Diagnosis

Identify likely causes such as bearing wear, imbalance, misalignment, looseness, lubrication problems, electrical defects, or process-related conditions.



AI + Expert Partnership

AssetWatch AI identifies meaningful changes, while dedicated, local reliability experts validate findings and reduce false positives.



Expert-Guided Next Steps

Every finding explains what was detected, why it matters, and what to do next.

Detect earlier. Respond faster. Diagnose with Confidence.



What We Tell You About Your Equipment

WHAT ASSETWATCH FOUND	RECOMMENDED NEXT STEP	WHY IT MATTERS
Bearing defect frequencies detected, suggesting developing bearing wear or damage.	Review the lubrication schedule and add lubrication if needed. If condition persists, plan for bearing replacement at next scheduled shutdown.	Early detection gives maintenance teams time to plan corrective action before the issue escalates.
Elevated vibration at 1× running speed, suggesting possible rotor imbalance or another once-per-revolution condition.	Inspect the fan rotor for buildup or debris. If the rotor is clean, check rotor balance.	Early corrective action can reduce mechanical stress and component wear.
Vibration patterns consistent with mechanical looseness.	Inspect mounting hardware, baseplates, and supports. Tighten or repair as needed, then recheck vibration levels.	Addressing looseness early can reduce additional component wear and the risk of secondary damage.
Rising temperatures detected on motors, bearings, or enclosures.	Inspect cooling systems and use thermal imaging to investigate potential hot spots.	Early detection provides teams to investigate and prevent critical equipment damage or failure.

AI + Dedicated Expert Partnership

Vibration data reviewed by experts who translate results into action.



AI-Powered Monitoring

AI analyzes sensor readings to detect trends, anomalies, and potential issues.



Dedicated Expert Analyst

A certified CAT III/IV condition monitoring engineer (CME) who knows your plant, equipment, and priorities.



Prescriptive Guidance

Every finding includes what was detected, why it matters, and exactly what to do next.

Customer Example: Steel Processor

One Alert Prevented 48 Hours of Downtime and \$500K in Potential Losses

- **SITUATION:** A leading steel processor sought to reduce unplanned downtime and improve equipment uptime at one of its galvanizing facilities.
- **RISK:** An undetected furnace roll bearing failure threatened up to 48 hours of unplanned downtime and \$500,000 in lost gross margin.
- **SOLUTION:** AssetWatch vibration sensors detected the bearing issue early, enabling replacement during a planned downtime.
- **IMPACT:**
 - 18% reduction in machine-related downtime
 - 17% reduction in rework
 - Avoided up to 48 hours of downtime and \$500,000 in potential losses.



Simple, Expert-led Vibration Program

- 01 Identify critical rotating equipment and reliability priorities.
- 02 Deploy sensors in 1-2 days and establish continuous monitoring coverage.
- 03 Use AI to surface meaningful changes in asset health.
- 04 Have AssetWatch experts validate findings and assess severity, urgency, and likely root cause.
- 05 Deliver clear recommendations, prioritized next steps, and ongoing support.
- 06 Expand into Oil Analysis when broader coverage is needed.

WHAT'S INCLUDED?

- ✓ Continuous and/or route-based vibration and temperature monitoring
- ✓ AI-powered monitoring and health indicators
- ✓ Expert-validated findings from AssetWatch reliability experts
- ✓ Dedicated CME, ART, and Customer Success support
- ✓ Prescriptive recommendations and prioritized next steps
- ✓ Unified view across vibration and temperature monitoring and oil analysis
- ✓ Scalable deployment without increasing manual inspection routes



Build your foundation for predictive maintenance

Book a 30-minute demo to see how AssetWatch Vibration Monitoring helps your team detect earlier, respond faster, and diagnose with confidence.

➤ assetwatch.com/get-started | 844.464.5652 (Ext. 1)