OUR PRODUCTION LINES RUN LONGER BETWEEN SHUTDOWNS BECAUSE WE'RE CONNECTED TO THE HEALTH OF OUR FACTORY.

-TED TENDER,
MAINTENANCE MANAGER, IKO INDUSTRIES.

Maintenance and reliability teams that use the SDT340 are less intrusive with their assets and get more done during shutdowns. Spend less time reacting to breakdowns and more time preventing them.

HEARMORE RELIABILITY

HEAR SDT MORE Ultrasound Solutions

Detect Failures Sooner and Prevent Breakdowns by Combining Airborne and Contact Ultrasound.

Ultrasound condition monitoring is easy to implement, simple to interpret, and powerful enough to detect bearing and mechanical defects long before they lead to catastrophic failure.

By: Tristan Rienstra, SDT Ultrasound solutions, Hear More Reliability

Why Ultrasound Detects Defects First

Ultrasound works by measuring friction, impacting, and turbulence inside operating assets. As conditions begin to degrade—even slightly—the ultrasonic signals change, offering early, reliable indicators of emerging defects.

SDT's powerful data collectors, like the SDT340, track and trend these changes from the very start, helping organizations move toward a more data-driven approach to maintenance and repair.

Airborne Ultrasound Inspection

Airborne ultrasound expands monitoring capabilities in a big way. With a sensor like the Flexible Wand (pictured below), technicians can inspect assets nonintrusively— avoiding the need for complex technology, disassembly, or both. Making it easy to monitor:

- Belt- & Chain-Driven Systems
- Flexible, Grid, Gear, & Tire Couplings
- Open-Faced Conveyor Bearings

Airborne inspection solves accessibility challenges as well. Measurements can be taken through industrial guarding, reducing downtime and improving safety.

Paired with contact ultrasound, this approach quickly uncovers common mechanical issues—like belt slap, misalignment, bearing wear, and lubrication problems—before they affect production.

The Expanded Versatility of Ultrasound

Ultrasound is known for compressed air leak detection, precision lubrication, and bearing monitoring, but its applications extend far beyond. It's also effective for:

- Inspecting high-voltage electrical systems
- Testing steam traps
- Non-intrusive valve inspection
- Vacuum leak detection
- Heat exchanger tube leak detection
- Diagnosing hydraulic system failures

...and more.

This versatility empowers organizations to maintain optimal operational efficiency and reliability across their entire facility with a single predictive maintenance technology. Which provides opportunities for immediate cost savings.

Immediate ROI: Day-One Impact

Ultrasound delivers value from day one by helping teams find and fix compressed air leaks—often invisible and inaudible, yet responsible for up to 40% of compressed air loss.

Working with Us

For over 35 years, we've helped organizations build ultrasound monitoring programs that deliver real, measurable results. Our proven approach combines advanced tools, expert training, tailored strategies, and ongoing support.

With a lifetime warranty, free implementation training, and solutions customized to your goals, we make your path to reliability straightforward—and successful. Ready to enhance your asset reliability with ultrasound? Drop us a line or give us a call:

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