

A New Measurement Platform for Medicine and Industry



Visualizing Hidden Change with ASEM Tech

What is ASEM?

The ASEM method detects ultrasound-induced electromagnetic responses.
A non-invasive way to reveal degradation and transformation in tissues and materials.

- Images electrical and magnetic properties with ultrasound
- Enables deep, high-resolution measurement beyond optics and RF
- Visualizes crystallinity and fibrosis non-invasively

ASEMmed for Medical Imaging

- Visualizes collagen-fiber orientation and accumulation
- Overlays B-mode echo and ASEM images
- Quantifies fiber orientation and accumulation

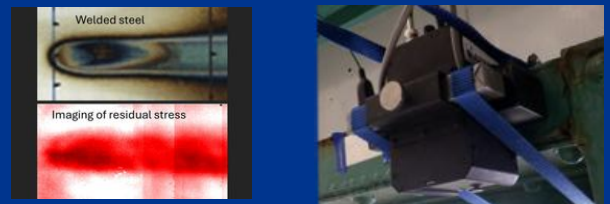


Coming Soon Next-Generation Diagnostic Imaging

* Under development; not approved as a medical device.
For research and development only; not for clinical use or sale.

ASEMindtec for Industrial Inspection

- Detects change via piezomagnetic effects
- For welds, corrosion, and residual stress
- Non-destructive inspection across material fields



Detects magnetic changes from stress, fatigue, and degradation

A non-destructive technology for visualizing residual stress near welds and assessing spot-weld integrity.

Application Fields



Orthopedics & Rehab
Fracture and ligament healing,
bone changes



Internal Medicine
Organ fibrosis,
collagen detection



Exercise & Health
Exercise effects,
muscle changes



Infrastructure & Energy
Nondestructive testing,
inspection, maintenance



Industrial Materials
Evaluation of steel,
composites, fibers



Advanced Materials
Semiconductors, thin films,
ceramics

Application Fields

