



Your sixth sense in MRI safety – Ferroguard[®] Screener

Despite careful, guideline compliant screening procedures, small ferrous objects inadvertently concealed on a patient, visitor or staff member may present a significant risk within your MRI facility.

Trust the world's most sensitive ferromagnetic detection system (FMDS) to prevent incidents and artifacts from small, hidden, risk items:



Detects the risk items that other systems miss

Maximum sensitivity from top of head to tip of toes. High performance Fluxgate sensors provide minimum detectable magnetic signal of, 80 pTesla, 0.8 μ Gauss.



Implant Detection

Ferroguard Screener's Fluxgate sensors' greater sensitivity can detect indwelling ferromagnetic materials.*



A true FMDS

As recommended by the American College of Radiology (ACR) for use in MRI facilities. The ACR specifically recommends against the use of conventional metal detectors for MRI screening.



Preserves image quality

Keeps small ferrous items, e.g. coins, out of the MRI room, reducing artifacts and avoiding timewasting restarts.



Better accepted by your patients

Eliminates invasive pat-down procedures, and provides much faster and more reliable detection than a hand wand.



Entirely passive

Completely safe to use on all patients, including those with implants.



Screen all your patients

Ferroguard Screener is ideal for your non-ambulatory patients too, using Ferroguard-approved Zero-Magnetic™ patient transfer equipment.



The quality you expect

The only FMDS range designed under ISO9001 international quality standards.





Fast, consistent and objective Zone 2 screening...in the time it takes to turn around!



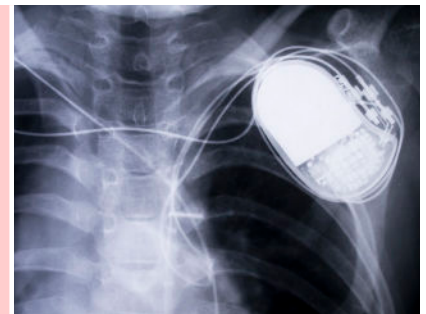
2 simple steps

- Position patient on mat
- Rotate 360°



Enabling new screening capabilities

Ferroguard Screener is the only FMDS that has been used in multiple journal-published implant-detection studies.¹⁻⁴ New possibilities for protecting against unexpected ferromagnetic implants entering Zone IV.*



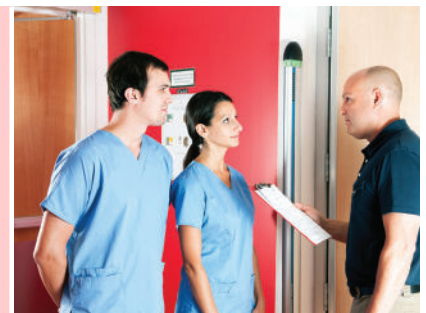
Simple adoption into your screening processes

Use Ferroguard Screener as the final check in your screening processes. In just a few seconds it replaces assumptions with objectivity, taking pressure off you and your staff.



More than world-leading technology

At Metrasens we understand that the product hardware is only half the story. You can have confidence that our network of certified Ferroguard engineers will be expertly installing your patient safety systems and supporting you for years to come.



1. Keene, M., Shellock, F.G., Karacozoff, A.M. Detection of ferromagnetic implants using a ferromagnetic detection system: implications for patient screening prior to MRI. *American Journal of Roentgenology* (2013) 201: 720-725.
 2. Linnemeyer, H., Shellock, F.G., Ahn, C.Y. In vitro assessment of MRI issues at 3-Tesla for a breast tissue expander with a remote port. *Magnetic Resonance Imaging* (2014) 32: 297-302.
 3. James, C.A., Karacozoff, A.M., Shellock, F.G. Undisclosed and undetected foreign bodies during MRI screening resulting in a potentially serious outcome. *Magnetic Resonance Imaging* (2013) 31: 630-633.
 4. Karacozoff, A.M., Pekmezci, M., Shellock, F.G. Armor-Piercing bullet 3-T MRI findings and identification by a ferromagnetic detection system. *Military Medicine* (2013) 178: 380-384.
 * Ferroguard Screener is not an approved product for implant detection and detections may be used for indication only. Metrasens accepts no responsibility for any adverse consequences arising from positive or negative indications of implants.



International
 8 Beauchamp Business Centre
 Sparrowhawk Close,
 Malvern WR14 1GL
 UK

United States
 Lisle Business Center
 2150 Western Court
 Suite 360
 Lisle, IL 60532

P +44 (0) 1684 219000

P 630 541 6509

info@metrasens.com

www.metrasens.com

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