













STMR Array is a vehicle mounted metal detection system that provides a reliable, effective and fast means of detecting landmines, unexploded ordnance and explosive remnants of war.



Target	Moving Map Display	Target Channel Responses
		
		
		
		

Route Clearance, Site Remediation, Quality Assurance

STMR can be deployed as a stand-alone system, or integrated with other detection technologies to include ground penetrating radar and thermal imagery. Ethernet communications permit rapid transfer of data and enable real time processing of information.

Effective

- Consistent sensitivity across width of sensor head
- Uniform transmission field
- Improved target resolution

Safe

Minimises risk of initiating magnetic influence mines.

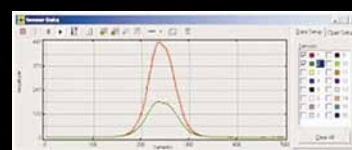
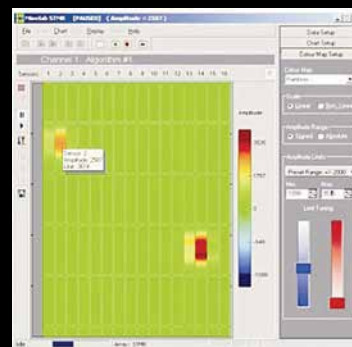
Reliable

Sensitivity unaffected by vehicle vibration, rain or mineralised content of ground - reduces susceptibility to external electromagnetic interference.

Easy to Use

Windows based software for display of target data to operator. Modular design permits fast and uncomplicated repair.

Configurable to suit customer requirements.





The advanced version of the STMR Array has dual coil configurations embedded in a rigid 2.2m wide structure.

Additional capabilities over the standard model:

- Discrimination between Ferrous and Non-Ferrous targets
- Target depth indication possible

Proven Interface with Multiple Sensors

Both the Standard and Clutter Rejection systems have the following proven integration capabilities:

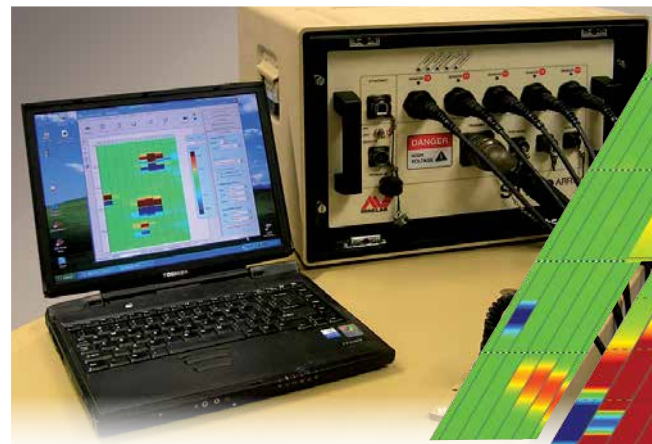
- High speed data output for real time analysis — up to 200 samples per second per channel
- Ground Penetrating Radar
- GPS
- Infra Red Camera
- Road Wheel
- Marking System

Reliable Production Ready System

- Based on Minelab's proven BiPolar Pulse Induction technology
- Rugged design for harsh environments
- Protection circuits — System is protected against high and low voltage conditions, over heating, over current, and even against internal loom failures
- Designed for ease of field servicing — card rack design for quick replacement of Line Replaceable Units

The flexible design of the system means that it can be dragged behind a vehicle or suspended from an articulated support structure in front of a vehicle.

- Excellent detection depth against UXO targets
- Minimum Metal AP & AT mines detected, e.g. M14
- High accuracy target positioning — 20cm cross track resolution
- Capable of detecting targets at speeds up to 50km/h
- Available in modular sensor head configurations with width 1.8m and 3.2m
- Fast Ethernet communications
- BiPolar transmission contributes to the defeat of magnetic influence mines



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