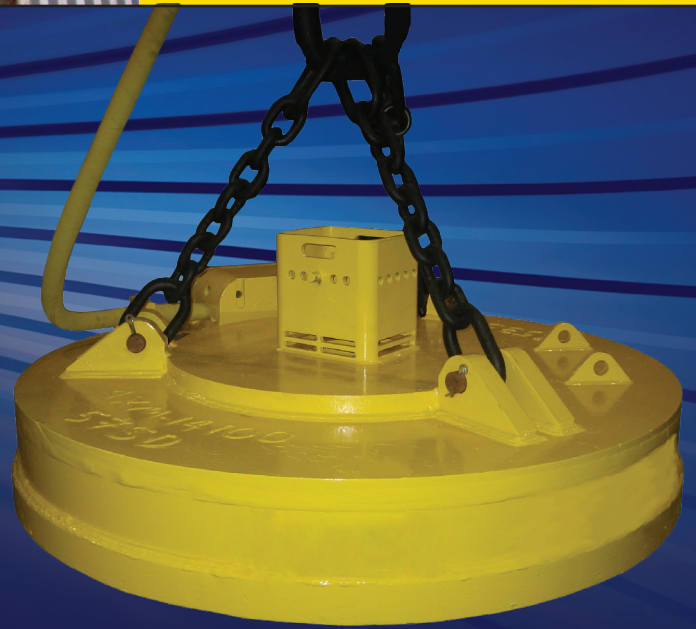


**Find radioactive sources that other radiation detection systems miss! CRICKET is the world's leading, most rugged and sensitive radiation detection magnet mounted system on the market!**

- Proven, tested, innovative leading edge technology
- Unparalleled durability
- User friendly, easy to operate
- Easy to install and maintenance friendly
- Options include Supervisory software and neutron detection



# CRICKET MAGNET

## MOUNTED RADIATION DETECTION SYSTEM

### Fit to any magnet, in any application

The CRICKET radiation detection system is designed specifically to meet the needs of the scrap, steel, and waste industries. The CRICKET's revolutionary, yet simple design provides an optimum level of detection capability for low intensity radioactive sources, on a continuous basis, in applications where radiation detection systems never existed before. The level of detection capability will far exceed any conventional radiation detection system, including detection systems that are mounted on the boom of a crane, regardless of detector size.



### Get closer, scan longer, with more accuracy

Mounting the CRICKET in a magnet application allows direct exposure to all the material being handled. There are two different opportunities to analyze all the scrap material during the handling process. Firstly, the CRICKET system can scan on a manual basis, material may be scanned on the surface before the load is even picked up. Secondly, once the magnet is energized the load is scanned while in the magnet allowing for the highest level of sensitivity.



### Detect radioactivity in high density materials

The Cricket Magnet series of radiation detection systems have been designed to detect low Gamma Ray emissions in high density materials. The Cricket Magnet incorporates sodium iodide thallium doped crystals (NaI(Tl)) specifically selected for high resolution signal response. The crystals are protected inside a stainless steel case with a low density aluminum door.



## The CRICKET Magnet consists of three assemblies:

- The protective shield
- The detection unit
- A controller



## Detector Protective Shield

- Fits to any type of mechanical, hydraulic or electrohydraulic magnet
- The shields high strength and wear resistance design is capable of withstanding severe impacts on a continuous basis
- Easy to install and service
- Equipped with doors for easy access to the internal detector assembly(s)
- Detector occupies a small volume of the magnet that does not affect the scrap handling operations

## Detection Unit

- The primary component of the detector system
- Size of the detection system is configured to the size of the apparatus
- Contains the electronic and detection assemblies which are designed to withstand repeated impacts and vibration associated with these applications
- The system electronics include several sensors that are used to monitor the operating conditions of the magnet such as temperature, motion and impact levels

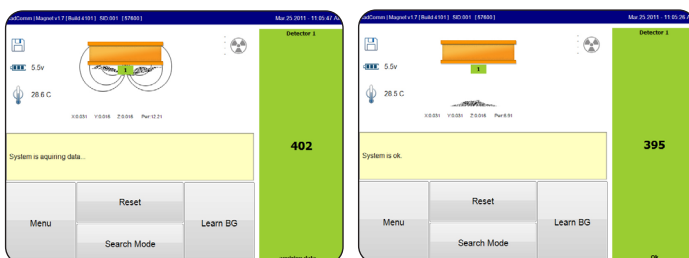
- The internal assemblies are mounted specifically so that they are isolated from the direct transfer of energy
- Wireless system utilizes a low powered digital non-licensed frequency that can transmit up to 1000ft (300m) line of sight

## CRICKET Control Console:

- High speed microprocessor
- Easy to read 8.4" touchscreen LCD
- System displays radiation level, temperature, magnetic field ON and detector voltage level
- Manual scanning mode
- Audio and visual alarms
- Alarm data storage
- Wireless transceiver with antenna
- Mounting bracket

## Options

- Supervisory software
- Neutron detection



**Corporate Head Office**  
 Scott Aikin  
 Saikin@radcommsystems.com  
 Jeff Adams  
 jadams@radcommsystems.com  
 2931 Portland Drive  
 Oakville, ON Canada L6H 5S4  
 Tel. +1 (905) 829-8290  
 Toll Free. 1 (800) 588-5229  
 Fax. +1 (905) 829-1406

**USA**  
 Joshua Hunter  
 jhunter@radcommsystems.com  
 602 E. Lincolnway Ave.  
 Valparaiso, IN USA 46383  
 Tel. +1 (773) 680-8430  
 Toll Free. 1 (800) 588-5229  
 Fax. +1 (219) 510-5764

**Europe**  
 Wim van Hove  
 wim.van.hove@radcommeurope.com  
 Watertorenweg 32, 2230 Herselt, Belgium  
 Tel. +32.14.75.02.13  
 Fax. +32.14.75.02.16

**Black Sea**  
 Osman Tureyyen  
 metkim@metkim.com  
 Kavacik, Onarimli Sokak  
 No 9 Altay Han  
 Daire: 8 Beykoz, Istanbul, Turkey  
 Tel. +90 (216) 425-1412  
 Fax. +90 (216) 425-1432

**Latin America**  
 Eduardo Ballesteros  
 analiticacontrol@prodginy.net.mx  
 Amatista No.27, El Pedregal  
 Atizapan de Zaragoza, 52948, Estado De Mexico  
 Tel. (52) 55 5077 4633/ (52) 55 3615 4910

**India**  
 Neelakshi Bhargava  
 neelakshi@radcommsystems.co.in  
 C-34, Ground Floor, Sawan Park, Ashok Vihar  
 New Delhi 110052, India  
 Tel. +91-9717671924  
 Fax. +91-9818650118