ERIEZ METALARM METAL DETECTORS

For the Aggregate and Mining Industries

Robust, high performance metal detectors for protecting valuable mineral extraction and processing equipment.

ERIEZ METALARM METAL DETECTORS

Features

- Detect both ferrous and non-ferrous metals
- Robust and unique search coil designs that can ignore small pieces of metal without the need for overbelt search coils
- Good sensitivity to manganese digger teeth and components
- For use with heavily mineralised ores
- Easy to install and service

Benefits

- Optimum protection against damage caused by tramp metal
- Reliable and proven technology - many successful installations throughout the world
- Installation with little or no alteration to existing conveyors
- Pulse Induction circuitry guarantees high performance for detecting both ferrous and non-ferrous metals
- Free site survey to demonstrate how installation in your plant can save money

Applications

- Rock crushing plants
- Coal preparation
- Coal-fired power stations
- Transloading terminals
- Asphalt and concrete products batch plants
- Industrial minerals and fertiliser plants
- Cement mills
- Waste recycling plant conveyors
- Industrial sand plants and foundries
- Ferrous and non-ferrous ore processing plants

METAL DETECTORS FOR AGGREGATE AND MINING

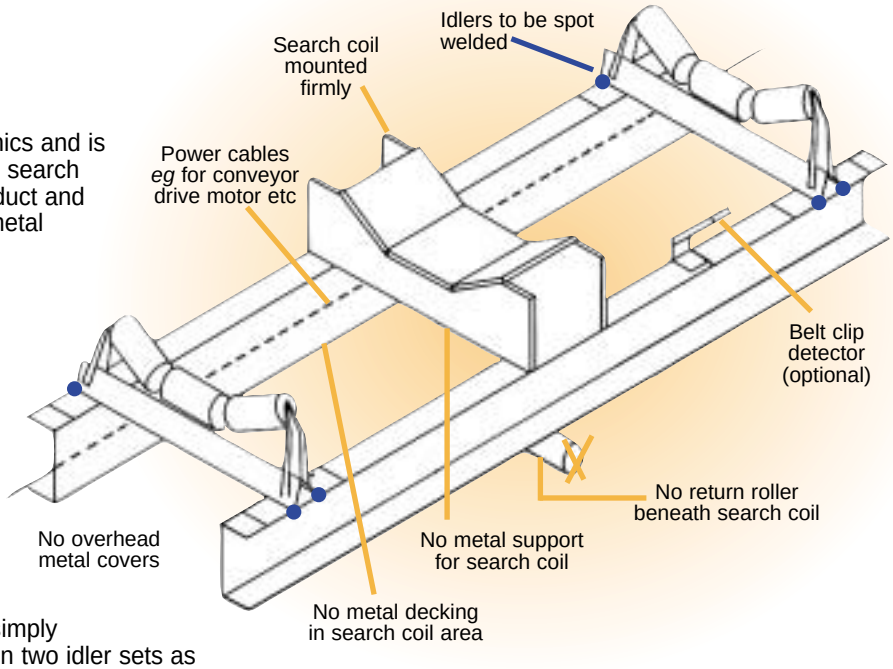
Sensitivity of METALARM Metal Detectors

This is determined by the adjustment of the electronics and is limited by the width of the search coil, the height of the product and the type and size of the metal being detected.

Sensitivity figures for individual applications can be supplied on request.

Installation of METALARM Metal Detectors

All METALARM Search Coils are custom-built.
They are easy to install, simply mounted mid-way between two idler sets as shown right.



Specifications
of METALARM Metal Detectors

Control Units
A wide range of control units are available for both indoor and outdoor use, paint finish or stainless steel, with or without anti-condensation heaters.
All METALARM Control Units can drive a range of ancillaries (see below).
All electronics are mounted on a single plug-in printed circuit board for ease of servicing.

Mechanical

Housing	Stainless steel or paint finish
Dimensions	400 x 350 x 100mm
Weight	9kg
Mounting	4 Corner - Wall mounting

Electronics

Supply voltage:	110 or 240V, 50Hz single phase (24V d.c. models also available)
Output relay:	4 changeover relay contacts rated 5 Amp at 30V d.c. or 250V a.c.

Interconnection Cables
Between search coil and control unit

Type:	Coaxial, UR76 or 70

Search coils
A wide range of underbelt and overbelt search coils are available, catering for simple underbelt applications to large burdens as experienced prior to primary crushers.
All search coils are manufactured in high density polyethylene, making them extremely robust.

Optional Extras
- Dye marker
- Sack dropper
- Belt clip detector
- Multiple alarm register
- Signal delay circuit
- Audible and visual alarms

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PULSE TECHNOLOGY

MANUFACTURING AFFILIATES IN: AUSTRALIA BRAZIL CANADA CHINA INDIA JAPAN MEXICO SOUTH AFRICA USA

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