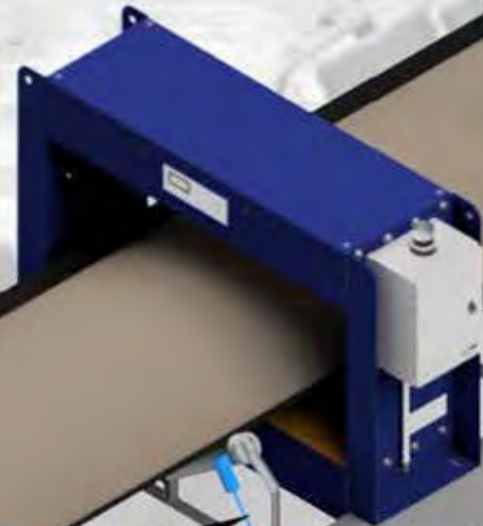




VISIT ADVANCED DETECTION SYSTEMS WEBSITE-
DINGS' SISTER COMPANY

SurroundScan
Protector HD
Metal Detector

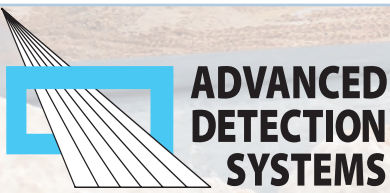


**Metal Marking
Device**



Splice Sensor

Typical System Configuration



**ADVANCED
DETECTION
SYSTEMS**

SurroundScan PROTECTOR HD Metal Detector

AGGREGATE & MINING APPLICATIONS

Metal Detection

The best patented technology available today. Proven detection that finds the metal and prevents costly repairs and downtime. Manufactured in the USA, Advanced Detection Systems provides quick delivery time and technical support from experts that know the rigors and demands of the marketplace.

Experienced Engineering

Regardless of how small or how complicated, Advanced Detection Systems is capable of custom designing and manufacturing each system to your exact specification. A truly unique approach to solving the strictest detection requirements.

Aftermarket Support

Long after the system delivery, you can count on service unmatched in the industry. Backed by over 100 years experience, Advanced Detection Systems offers responsive field service, training classes, upgrades, service contracts, and compliance audits.

Quality Control

Each detector is put through hours of stress testing before ever leaving our facility, assuring the Protector HD is fully functional before arriving on site.

PREVENT DAMAGE TO CRUSHERS & COSTLY DOWN TIME!

**VISIT ADVANCED DETECTION SYSTEMS
WEBSITE - DINGS' SISTER COMPANY**



FEATURES AND BENEFITS

- Rugged steel construction: Defends key coil components from damage, wear and tear.
- Product Monitor™: Provides real time signal values for your product and the tramp metal that must be detected.
- Patented Auto-Balance: Keeps the Protector's coils balanced indefinitely for consistent detection levels.
- AccuLearn™ Technology: Automatically learns your product's signal level and establishes the ideal detector sensitivity.
- Detects all types of Ferrous and Non-Ferrous metals.
- Easy to operate touchscreen controls, controls can be mounted remotely.
- Nuisance-trip Button: Adjusts the detector to ignore metal that won't damage down stream equipment with one press of a button.



HEAVY DUTY CONSTRUCTION • STATE OF THE ART TECHNOLOGY

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Milwaukee, Wisconsin USA • (414) 672-0553 • sales@adsdetection.com • www.adsdetection.com

Protector HD

Metal Detector

TECHNICAL DATA

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PROTECTOR HD TECHNOLOGY

Acculearn™ Technology

Materials produced by quarry & mining operations require specific detector settings in order to achieve maximum performance. The Protector HD can be set for a specific size target metal. In this way, optimum performance is ensured and the risk of false rejects and production downtime is eliminated.

Protector digital technology makes it easy to program for the tramp metal you need to detect.

Password Protection

Two levels of selectable passwords:

- Operator level, to change product set-up mode
- Engineering level, to access factory set-up parameters

Heavy Duty Construction

Armored Chassis with 3/16" and 1/4" mild steel plate provides long term repair-free service.

Aperture Sizes

A full range of aperture sizes are available depending on application. Aperture size fits belt widths up to 120".

Electronic Features

The Protector electronics have the following features:

- Two channel operation for precise detection
- Digital processing and filtering to eliminate interference
- Intuitive 4.5" color touchscreen interface for ease of use
- Auto Balanced coils
- Data retention when power is disrupted or disconnected
- Capability to detect tramp metal through highly conductive material
- Patented vibration protection technology



SPECIFICATIONS

Optional Accessories

Detect light and horn, belt splice sensor, metal marking kits (flag drop and spray marker)

Reject Timer Options

Divert gate functions are carried out under microprocessor control and are all set from the touchscreen display

PLC Outputs

Voltage-free relay contacts rating 240V, 3A

Power Supply

Protector power supply 110VAC 30VA max, single phase. NEMA 4 enclosure.

Operating Environment

Temperature: -28°C to 49°C / -20°F to 120°F

Control Cabinet Heater Available

For 40°F and below

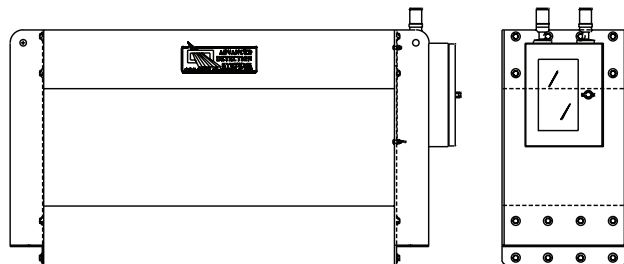
Standard integral cabinet or option remote display cabinet

Product Throughput Rates

Protector technology accommodates a wide range of throughput rates and belt speeds with proven reliable performance

Installation

Can be installed over existing belts by removing end plate. Shipped completely assembled and ready for installation



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