

# ADVANCED DETECTION SYSTEMS®

## PROTECTOR LP METAL DETECTOR

DETECTS FERROUS, NON-FERROUS AND STAINLESS STEEL  
PREVENTS DAMAGE TO GRINDERS & GRANULATORS  
USED IN PLASTICS REGRIND APPLICATIONS



*Easy to Use*  
STATE-OF-THE-ART  
ELECTRONICS

*Dependable*  
HEAVY DUTY  
CONSTRUCTION



### DESIGNED FOR USE IN PLASTICS REGRIND

The SurroundScan Protector Low Profile offers the same core technology as the proven Protector HD. The Protector LP's difference is the 45% smaller coil enclosures and 40% weight reduction that simplifies its installation on conveyor frames where clearance between the conveyor belt and frame is limited. Tramp metal can cause damage to your shredding and granulating equipment and lead to costly downtime.

### THE ADVANCED DETECTION SYSTEMS DIFFERENCE

For the past 30 years, Advanced Detection Systems has been developing SurroundScan technology so each system performs reliably in the presence of electrical power fluctuations, radiated noise and system vibration. In addition, Advanced Detection Systems developed patented state-of-the-art electronics that provide easy system setup in a wide variety of plastics regrind applications.

### HOW WE HANDLE AFTERMARKET CARE

Advanced Detection Systems focuses on providing excellent aftermarket services. We offer prompt field service, troubleshooting, metal detector startup, product testing, and training.



[www.adsdetection.com](http://www.adsdetection.com)

phone: 414-672-0553 • Milwaukee, WI • [sales@adsdetection.com](mailto:sales@adsdetection.com)

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## Nationwide Service

Factory techs and local sales reps to assist with start-up, training, emergency service calls and other aftermarket services



## AccuLearn Technology

Quickly learns product characteristics and establishes the ideal detector sensitivity



## Custom Sizing

Get a Protector LP built to fit your existing processing line



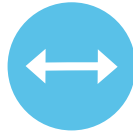
## Engineered & Manufactured In-House

Promptly respond to customer's needs by designing and building a quality system delivered when promised



## 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

## STANDARD SPECIFICATIONS

- Power Supply: 110VAC 30VA max, single phase, NEMA 4 enclosure
- PLC Outputs: Voltage-free relay contacts rating 240V, 3A
- Operating Temps: -28° to 49°C and -20° to 120°F
- Reject Timer Options: Reject functions are carried out under microprocessor control and are set from the touchscreen display

## STANDARD FEATURES

- Password Protection: Offers users two levels of selectable passwords: Operator Level: Change product set-up mode; Engineering Level: Access factory set-up parameters
- Integral Control Enclosure
- Integral Detect Light Beacon

## OPTIONAL ACCESSORIES

- Control cabinet heater: for 40°F and below
- Remote control enclosure
- Belt splice sensor

## PROTECTOR LP'S TECHNOLOGY

- Acculearn Technology allows automatic adjustment of detector sensitivity settings without operator input
- Protector LP's patented auto-balance software to keep consistent detection levels
- Adjustable RF protection ensures reliable performance in the presence of radiated noise and electrical power fluctuations

## PROTECTOR ON FLAT BELT CONVEYOR



Contact us today  
to schedule a  
facility visit!



**ADVANCED DETECTION SYSTEMS®**

[www.adsdetection.com](http://www.adsdetection.com)

4740 West Electric Avenue, Milwaukee, WI 53219 USA

phone: 414-672-0553 • fax: 414-672-1283

[sales@adsdetection.com](mailto:sales@adsdetection.com)

A Sister Company of  
  
magnetic group