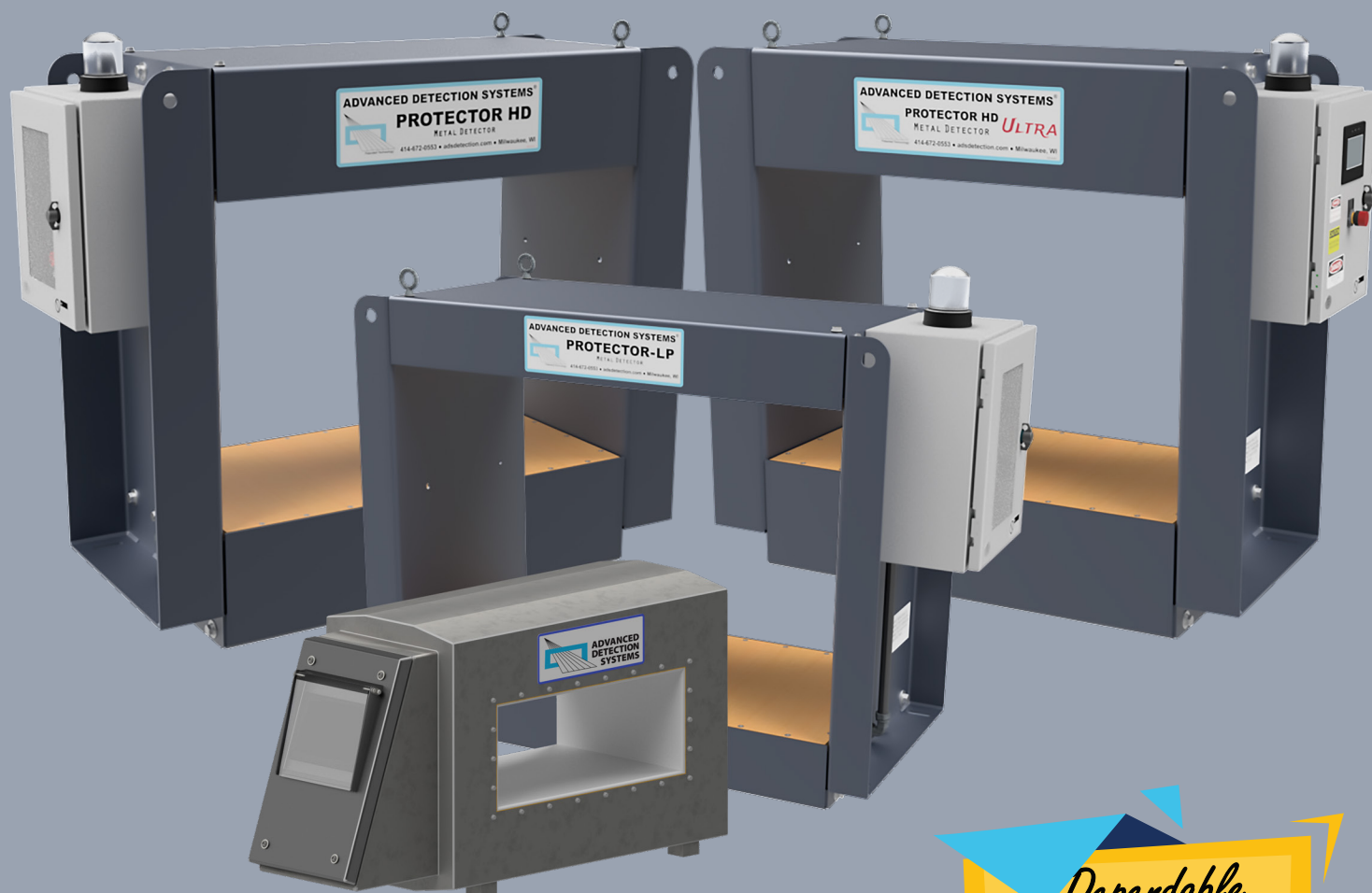


# ADVANCED DETECTION SYSTEMS

## METAL DETECTION FOR RECYCLING & PLASTICS REGRIND APPLICATIONS

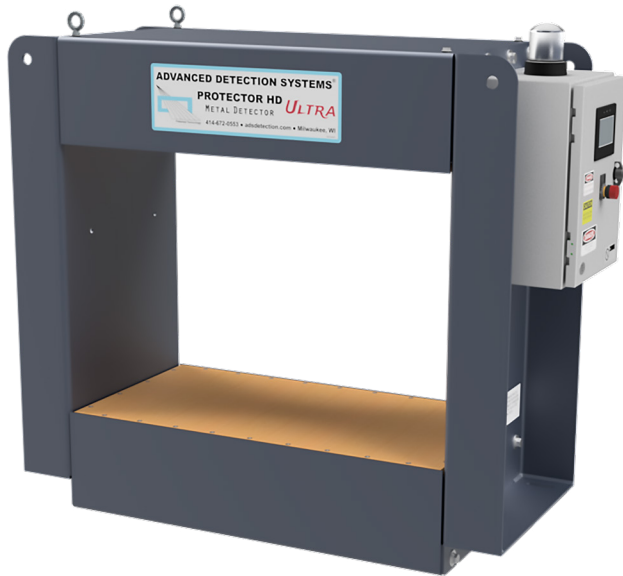


PREVENT DAMAGE TO PROCESSING EQUIPMENT & COSTLY DOWN TIME

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

# SURROUNDS CAN PROTECTOR HD ULTRA

*SurroundScan Protector HD Ultra Metal Detector*

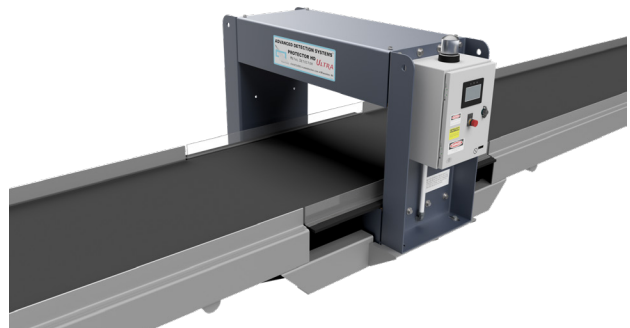


**2x** Better Detection  
than the Protector HD

- ★ Enhanced detection levels, detects safety hazards
- ★ Removable end plate facilitates easy installation
- ★ Detects Ferrous, Non-Ferrous & Stainless-Steel
- ★ Engineered to withstand tough applications
- ★ Robust and reliable metal detector
- ★ Advanced patented software built in

- ★ Advanced Detection Systems has been identifying and meeting unique metal detection needs for over 30 years.
- ★ All equipment is engineered and manufactured in Milwaukee, WI USA, meaning you receive prompt, expert service.
- ★ The Protector HD Ultra ensures product purity, detects safety hazards (lithium ion batteries), defends processing equipment and prevents costly downtime.
- ★ Adjustable RF protection ensures reliable performance in the presence of radiated electrical noise and power fluctuations.

*Protector HD Ultra Metal Detector on Flat Belt Conveyor*

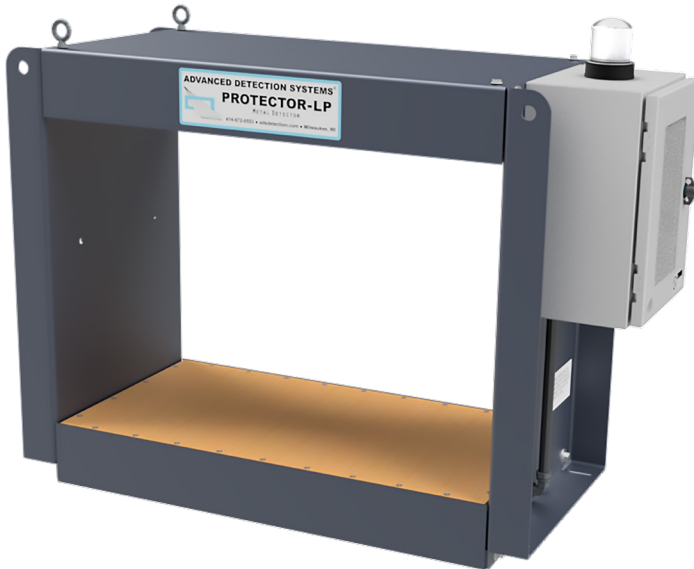


## HD **ULTRA**

**★ Call Us For Expert Support of Advanced Detection Systems' Equipment - Regardless of Its Age**

# SURROUNDS CAN PROTECTOR LP(Low-Profile)

*SurroundScan Protector LP (Low Profile) Metal Detector*



- ★ The Protector LP (low-profile) has a 45% smaller coil enclosure and 40% weight reduction compared to the Protector HD. These features simplify installation on conveyor frames where clearance between the conveyor belt and frame is limited

*For use on belts 54" (inches) and under*

## SurroundScan Core Technologies

### AccuLearn Technology

Setting up products with the AccuLearn Technology is easy and efficient. In as few as 1-2 minutes, the metal detector will learn a product's signature, allowing clean product to pass through while accurately identifying product that has metal contamination.

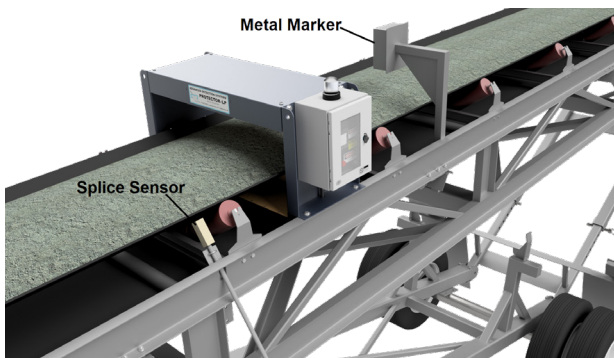
### Patented Auto-Balance

Advanced Detection Systems' auto-balance software maintains perfect coil balance and optimum performance, eliminating the cost of a service technician plant visit to re-balance the metal detector.

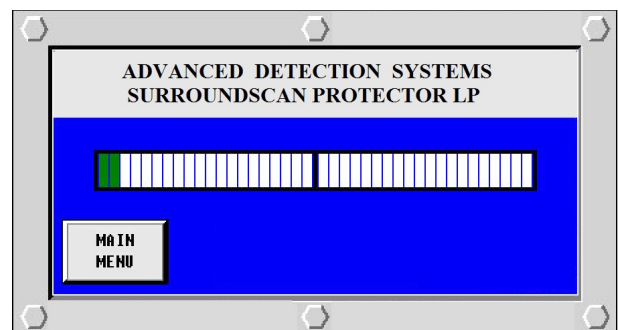
### Product Monitor

You get real time signal values for your product and the tramp metal that must be detected.

*Protector LP Metal Detector on Portable Belt Conveyor*



*Protector LP Digital Touchscreen*



★ *Call Us For Expert Support of Advanced Detection Systems' Equipment - Regardless of Its Age*

# SURROUNDSCAN PROTECTOR HD

*SurroundScan Protector HD Metal Detector*



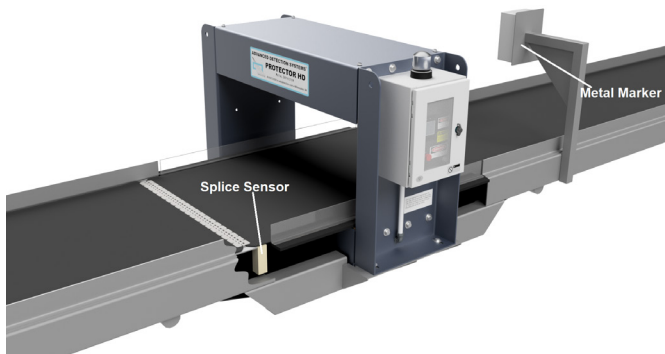
- ★ Heavy-duty design
- ★ Detects Ferrous, Non-Ferrous & Stainless Steel
- ★ Removable end plate facilitates easy installation
- ★ Robust and reliable metal detector
- ★ Engineered to withstand tough applications
- ★ Advanced patented software built in

- ★ Advanced Detection Systems has been identifying and meeting unique metal detection needs for over 30 years.
- ★ All equipment is engineered and manufactured in Milwaukee, WI USA, meaning you receive prompt, expert service.
- ★ The Protector ensures product purity, defends processing equipment and prevents costly downtime.
- ★ Adjustable RF protection ensures reliable performance in the presence of radiated electrical noise and power fluctuations.

*Remote Control Cabinet Accessory*



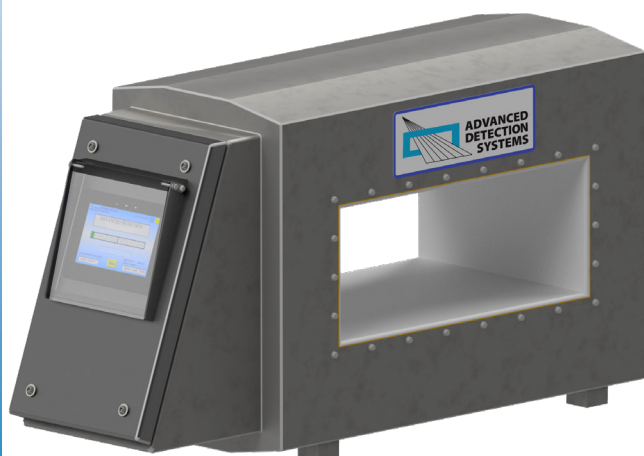
*Protector HD Metal Detector on Flat Belt Conveyor*



**★ Call Us For Expert Support of Advanced Detection Systems' Equipment - Regardless of Its Age**

# SURROUNDSCAN DEFENDER III

*SurroundScan Defender III*



## Precision Detection Levels

- ★ Ideal for extruded rubber applications
- ★ State of the art detection levels
- ★ Built to specific application requirements
- ★ Protects precision processing equipment
- ★ Data retention when power is disrupted
- ★ Three-level password

## SurroundScan Core Technologies

### AccuLearn Technology

Setting up products with the AccuLearn Technology is easy and efficient. In as few as 1-2 minutes, the metal detector will learn a product's signature, allowing clean product to pass through while accurately identifying product that has metal contamination.

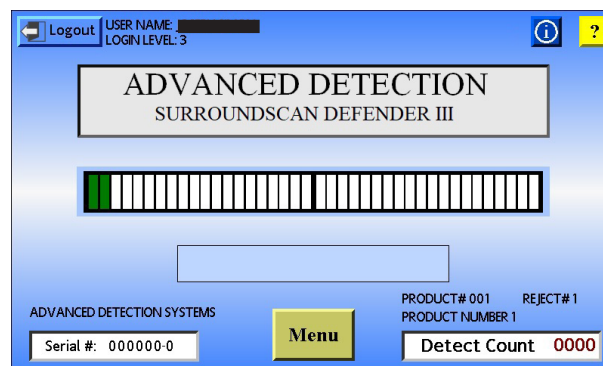
### Patented Auto-Balance

The Defender III's auto-balance software maintains perfect coil balance and optimum performance, eliminating the cost of a service technician plant visit to re-balance the metal detector.

### Patented Vibration Technology

Advanced Detection Systems' vibration technology monitors interference created by vibration and automatically compensates for the effect, thus enhancing reliability.

*SurroundScan Defender III Digital Touchscreen*



★ *Call Us For Expert Support of Advanced Detection Systems' Equipment - Regardless of Its Age*



# ENGINEERING DRIVEN - CUSTOMER SERVICE FOCUS

## CUSTOMER FOCUSED SERVICES

Advanced Detection Systems engineering, sales and service staff work together from our Milwaukee, WI factory to provide outstanding customer service from experts in metal detection. We listen to our customers to gain an understanding of their needs and apply our experience in their trade to provide metal detection equipment that is sized and positioned for the best possible performance in their specific application.

## ADVANCED TECHNOLOGY

Our engineering staff has developed technology over many years that is designed to maximize performance and simplify the use of metal detection in recycling and plastics regrind applications.

## HEAVY-DUTY CONSTRUCTION

Advanced Detection Systems is a sister company of Dings Co. Magnetic Group. Dings Co. Magnetic Group has been providing recycling operations with high quality magnetic separators for over 100 years. The heavy-duty construction of the SurroundScan metal detector product category reflect our history of manufacturing robust, reliable equipment to meet the needs of recycling applications.

## METAL DETECTOR TRAINING

We recognize the importance of quality training for our customers to ensure they are using their investment in metal detection properly. Our training programs are conducted by certified factory service technicians and local representatives on-site or through computer screen/mobile devices for our customer's convenience and safety. Advanced Detection Systems can also customize any training program to meet your specific needs.

## REPLACEMENT PARTS

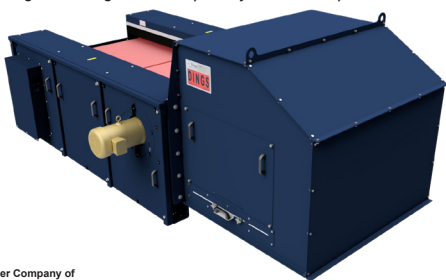
Advanced Detection Systems offers replacement parts and spare parts lists for your equipment. Our factory trained service technicians, engineers and sales staff are experts on our metal detection systems. Ask us about developing a spares part list for your specific metal detection system to prevent downtime that can be expensive and disastrous. Our staff is available to assist in identifying parts needed for your metal detector and we can easily look up the information in our system. Many parts are currently in stock and available for same day shipment, including electronic replacement parts that are unique to your specific metal detection system.

## FIELD SERVICE

Our factory service staff and local representatives are available to provide on-site support. We offer a variety of metal detector services that will ensure consistent metal detector performance and employee familiarity with operation of your metal detection equipment, such as on-site trouble shooting for metal detectors, splice sensors, metal marking devices, metal detector start-up and employee training.

## MAGNETS FROM DINGS COMPANY MAGNETIC GROUP

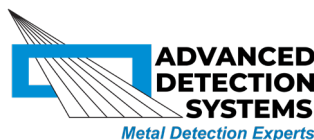
*Dings Co. Magnetic Group Eddy Current Separator*



\*A Sister Company of



**magnetic group** phone: 414-672-7830  
fax: 414-672-9421  
magsales@dingsco.com  
Powerful Magnetic Products Since 1899



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

phone: 414-672-0553

fax: 414-672-5354

sales@adsdetection.com

4740 West Electric Avenue Milwaukee, WI 53219 USA

©Advanced Detection Systems, 2021