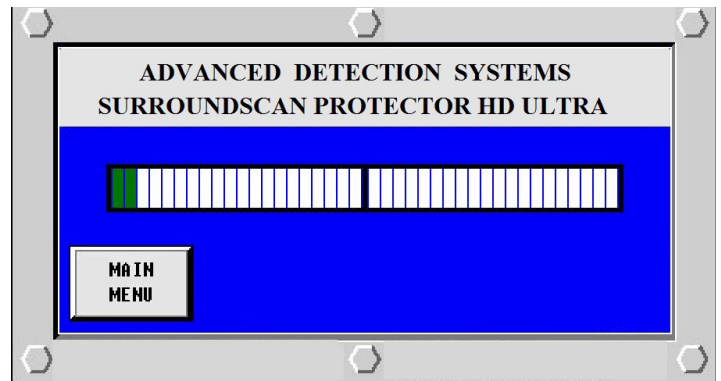
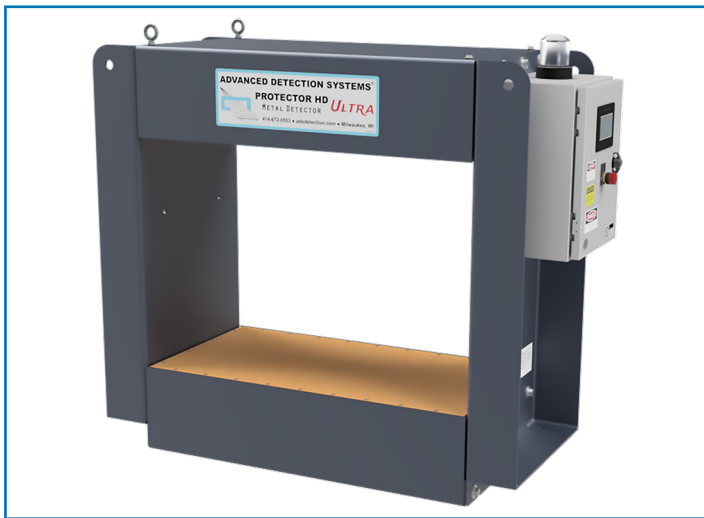




## SurroundScan® Protector HD Ultra

### Industrial Applications

- ◇ Expert technical support from our factory
- ◇ Enhanced detection levels for ferrous, non-ferrous, and stainless steel.
- ◇ Removable end plate facilitates easy installation without removing conveyor belt.
- ◇ Robust and reliable metal detector
- ◇ Engineered to withstand tough applications
- ◇ Protects precision processing equipment



SurroundScan® Protector HD Ultra  
Password Protected Touchscreen

### SurroundScan Protector HD Ultra

The Protector HD Ultra has up to 2x better detection levels ensures product purity, detects safety hazards, defends processing equipment and prevents costly downtime.

### Protector HD Ultra Features

- ◇ Autolearn easily sets appropriate sensitivity levels.
- ◇ Adjustable RF protection helps compensate for environmental noise and power fluctuations.
- ◇ Digital control and processing with two channel detection.
- ◇ Data retention when power is disrupted or disconnected.

### More Information

Advanced Detection Systems has been identifying and meeting unique metal detection needs for over 30 Years.

All equipment engineered and manufactured in Milwaukee, WI USA, which lets us provide a "one stop shop" for all your metal detection needs.

The Protector HD Ultra's 2x better detection levels ensures product purity, defends processing equipment and prevents costly downtime.





### Product Monitor

You get real time signal values for your product and the ferrous, non-ferrous and stainless-steel metal that must be detected.



### Patented Vibration Technology

Improves performance and reliability when used in a vibration heavy environment.



### Guaranteed Sensitivity

We test your product and calibrate our detectors to your product's specific needs and guarantee sensitivity.



### Acculearn™ Technology

Our detectors quickly learn your products characteristics, in as few as two minutes, eliminating false trips caused by product variability.



### Custom Built

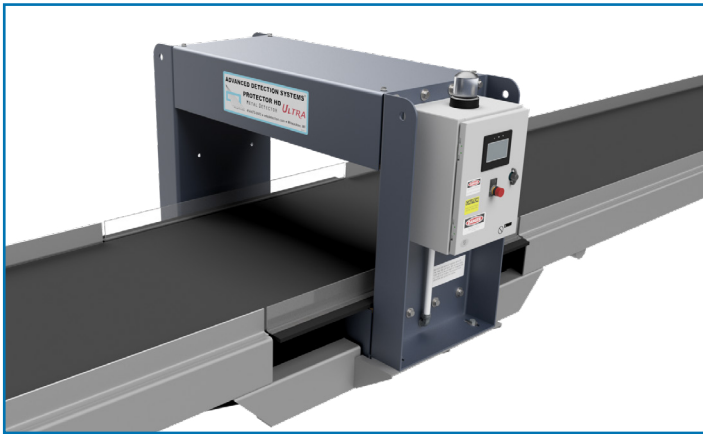
Our metal detectors are individually designed by our engineering staff and manufactured to your exact specifications.



### Heavy-Duty Construction

The SurroundScan metal detector product category reflects our history of manufacturing robust, reliable equipment.

## SurroundScan Protector HD Ultra on Flat Belt Conveyor



## Remote Control Cabinet



Dings Overhead Self-Cleaning Electromagnet



## Dings magnetic group

an Advanced Detection Systems sister company

## Magnetic Separators from Dings Co. Magnetic Group

Dings Self-Cleaning Models' belt continuously travels across the face of the magnet to automatically discharge tramp iron. It comes equipped with a multi-ply rubber belt with 1 inch hot vulcanized cleats.



Advanced Detection Systems Australian Territory Rep:

ACCURATE INDUSTRIES P/L  
1300 101 666

admin@accurateindustries.com.au  
www.accurateindustries.com.au

6/23 Ashtan Place, Banyo, Q, 4014



## Get Detection Optimized for Your Process

Have your targeted contaminants professionally tested for in our lab, free of charge. The results are used to optimize your Protector's® detection levels for your material stream's specific characteristics. We stand by this method with a written guarantee.

## Protector HD Ultra for Industrial Quote Request

[www.adsdetection.com](http://www.adsdetection.com)  
(414) 672-0553

Company: \_\_\_\_\_ Quote Required Date: \_\_\_\_\_  
 Address: \_\_\_\_\_ Contact Person: \_\_\_\_\_  
 City,St ZIP: \_\_\_\_\_ Contact Email: \_\_\_\_\_  
 Phone/Cell: \_\_\_\_\_ Date Equipment Required by: \_\_\_\_\_  
 Email Completed RFQ to: [sales@adsdetection.com](mailto:sales@adsdetection.com)

### Application Information

Material Being Conveyed: \_\_\_\_\_

Material Data: Material Depth: \_\_\_\_\_ cm

Material Dimensions: Width: \_\_\_\_\_ cm Length: \_\_\_\_\_ cm Height: \_\_\_\_\_ cm

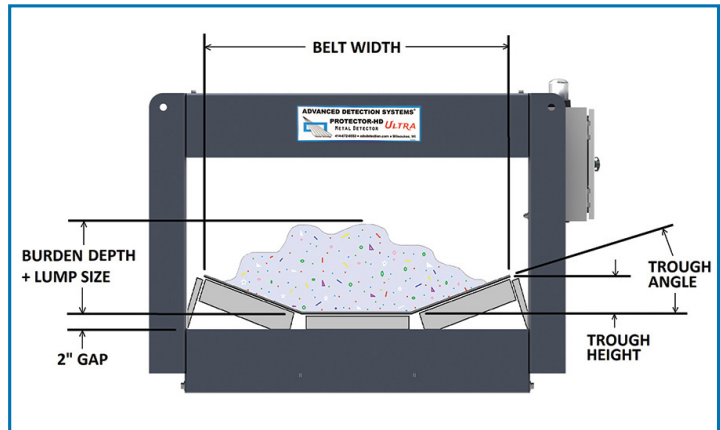
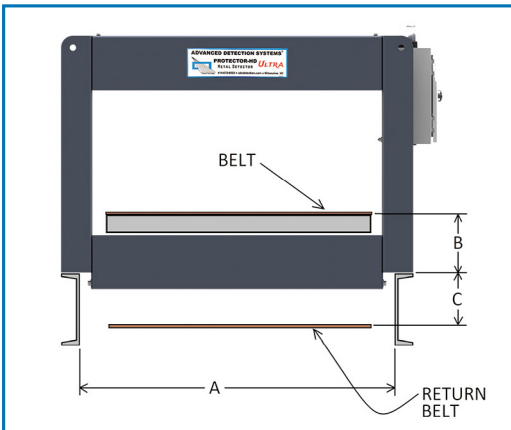
Conveyor Data: Belt Width: \_\_\_\_\_ cm Belt Length: \_\_\_\_\_ m Belt Speed: \_\_\_\_\_ mpm

Is the Belt Spliced: Yes No TBD Throughput: \_\_\_\_\_ Tons p/hr

Troughing Angle: 0° 20° 35° 45°

Detection Level Required: Ferrous: \_\_\_\_\_ cm Non-Ferrous: \_\_\_\_\_ cm  
 Stainless Steel: \_\_\_\_\_ cm

### Metal Detector Selection



A= The Dimension inside the Conveyor Frame. A= \_\_\_\_\_ cm  
 B= The Dimension From the Bottom of the Conveyor Carry Belt to the Top of the Conveyor Frame. B= \_\_\_\_\_ cm  
 C= The Dimension From the Top of the Conveyor Frame to the Top of the Return Belt. C= \_\_\_\_\_ cm

### Metal Detector Accessories

Belt Splice Sensor

Remote Control Cabinet

Remote Control Cabinet Heater

25 ft (7.62 m) Cable

50 ft (15.24 m) Cable

Note: A control cabinet heater is required for the unit if the ambient temperature falls below 40 F (4.44°C) during operation.