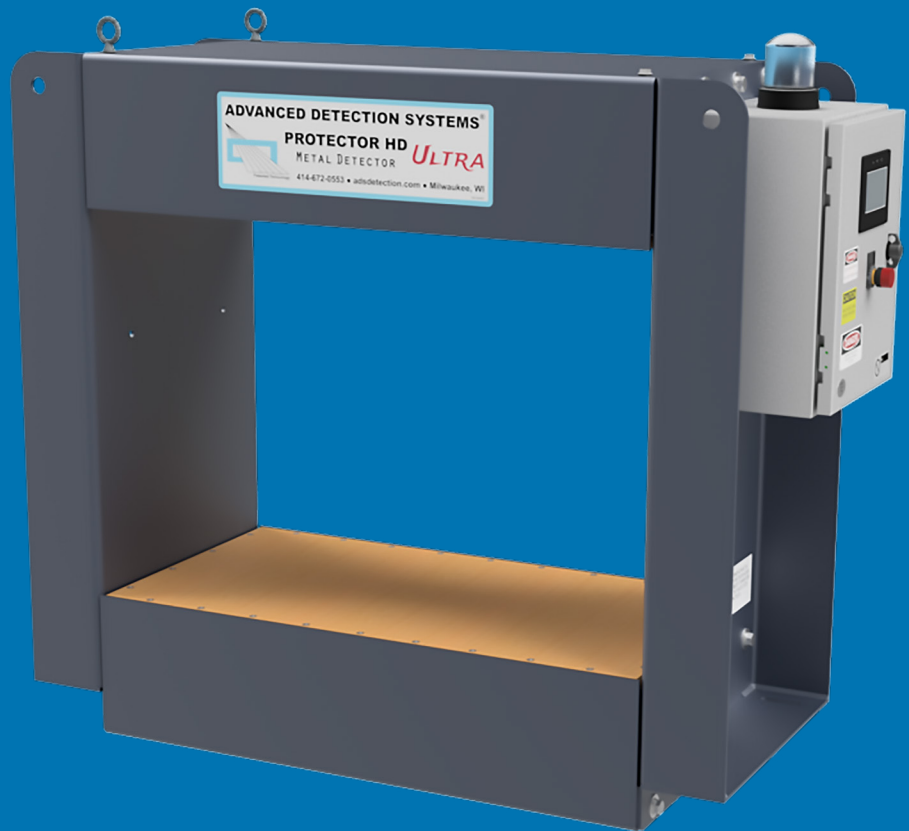


SurroundScan Protector HD Ultra's Enhanced Detection Levels



SurroundScan Protector HD Ultra



Up to 2X Better Detection Levels Compared to the Standard Protector HD

The SurroundScan Protector HD Ultra is a heavy-duty industrial metal detector that has been designed to offer the enhanced detection levels required to detect volatile contaminants such as lithium batteries in waste and recycling product streams. Contaminants like these must be caught before they reach processing equipment and risk igniting fires. The Protector HD Ultra's elevated detection levels for ferrous, non-ferrous and stainless steel also go further than the standard Protector HD in ensuring your product's purity.



SurroundScan Systems

Protector Series Features

- ♦ Advanced Detection Systems' staff members are metal detector experts. We're focused on providing superior metal detection for ferrous, non-ferrous, and stainless steel through patented technologies and engineering.
- ♦ Heavy duty steel construction protects the coils allowing the Protector to remain in constant service for years, unlike light duty detectors with components that are prone to damage.
- ♦ Acculearn Technology – Our detectors learn your products characteristics in as few as two minutes. This allows the detector to automatically set detection levels that recognize the difference between metal that could damage processing equipment and non-harmful metal that can be ignored.
- ♦ Product Monitor – provides real time signal value for your product and the metal contaminants that must be detected to prevent damage to processing equipment. The Product Monitor can also be set to simultaneously ignore metal that is not harmful to equipment.
- ♦ Password Protected Touchscreen – Provides intuitive guidance for using the unique Acculearn and product monitor features and simplified operation of the Protector's metal marking accessories.
- ♦ Metal marking accessories complete the Protector HD Ultra's system for detecting and locating metal contaminants..
- ♦ Digitally auto-balanced coil technology and dual channel operation maintain perfect coil balance and optimum performance in the presence of conductive products while eliminating the cost of service technician plant visits to re-balance the metal detector.
- ♦ State of the art power supply and RF noise protection eliminates nuisance trips caused by line spikes and radiated noise.
- ♦ Programmable contacts for full PLC integration and reject device control of automated divert gates or belt plow systems. With this the metal detector is no longer an outlier in your process that requires special, individual attention.
- ♦ Removable end plates facilitates installation on existing conveyor frames without having to remove the belt.
- ♦ Customized metal detector systems including unit construction, proprietary software and electronics are designed to the customer's exact application needs.

Core Features For all Models



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.



Patented Auto-Balance

The Protector HD Ultra'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.



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.

To learn more, please contact us:

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