



# ADVANCED DETECTION SYSTEMS

## Why Buy SurroundScan Defender Metal Detectors?



SurroundScan Defender Head

### State of the Art Detection Levels

The Defender III is used in Industrial applications when the best possible metal detection levels are required to protect processing equipment such as extruders that are damaged by small particles of metal. The Defender III is also used to ensure the product purity of textiles, plastics and rubber.

## SurroundScan Defender III Features and Benefits

- ◇ Advanced Detection Systems' staff members are metal detector experts. We're focused on providing superior metal detection through patented technologies and free product testing that guarantees our metal detector will meet your sensitivity requirements.
- ◇ Anti-Vibration Technology – measures vibration and compensates for its effect enhancing the ProScan's performance. This technology eliminates product waste associated with nuisance detects caused by vibration. This feature also improves sensitivity performance due to reduced need to accommodate vibration and removes the time and money required to correct those vibration sources.
- ◇ Acculearn Technology – Our detectors learn your products characteristics, in as few as two passes, eliminating false trips caused by product variability.
- ◇ Patented coil auto-balance technology – Maintains perfect coil balance, providing optimal consistent performance.
- ◇ Adjustable RF protection – compensates for radiated noise, such as that from variable frequency drives and power fluctuations.
- ◇ Touchscreen – Intuitive software and controls are easy to navigate. Make quick changes without disrupting production.
- ◇ Administrative Login Level – Twenty administrator assigned user names, passcodes and login levels; User name, time and date is stamped to each event.
- ◇ Running list of recent detection history visible from menu or web and downloadable as an excel document.
- ◇ 3 separate reject timings available providing accurate "deploy and actuate" times for different size products.
- ◇ Defender's washdown enclosure design is the best in the industry! Our unique approach to the enclosure construction is preferred by meat and seafood processors because it prevents high pressure water from getting into the coil area, eliminating costly repairs.
- ◇ Customized metal detector systems are designed to the customer's exact application needs.
- ◇ Engineering, manufacturing and service functions are located in one facility – our factory/lab in Milwaukee, WI USA, which translates into quick response and expert support for all your metal detection needs.

### To learn more, please contact us:

Phone: 414-672-0553

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



**ADVANCED  
DETECTION  
SYSTEMS**  
*Metal Detection Experts*

## Get Detection Optimized for Your Process

Have your product tested in our factory lab, free of charge. The results are used to optimize your ProScan's® detection levels for your specific product. We stand by this method with a written guarantee.

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



# ADVANCED DETECTION SYSTEMS

## Aftermarket Support with Customer Service Focus

Advanced Detection Systems outstanding metal detector service is a team effort. Our sales, engineering and service staff experts coordinate our support to meet your specific service needs.

### Provide Customer Focused Service

Over the years, Advanced Detection Systems has developed a variety of services and training programs. These are designed to help our customers stay current in the best practice methods of use for their metal detectors, optimizing the value of their metal detection investment. Your purchase of a metal detector from Advanced Detection Systems includes expert technical support for the life of the equipment. This includes installation, start-up and the testing needs for your metal detection system. Some of the services we offer are: Verification Services for any make/model metal detector, On-site Field Service, Metal Detector Training, Software Upgrades and FREE Product Testing with guaranteed detection levels. Service is provided from our service technicians, factory sales and local representatives that are HACCP (Hazard Analysis Critical Control Point) certified. Our engineering, factory sales staff and local manufacturer's reps are also on standby to assist our customers.

### Free Product Testing

Use our free product testing service to ensure that you are investing in the best possible metal detector for your application. Advanced Detection Systems product testing service is conducted promptly at our factory lab in Milwaukee, WI - USA. Our up front product testing leads to trouble free start-up of the metal detection system at your facility. This service allows us to build the metal detector for optimum performance and reliability for your specific products. When you utilize our product testing service, you will receive a factory Sensitivity Guarantee indicating the optimal ferrous, non-ferrous and stainless-steel detection levels for your specific products.

### Metal Detector Verification & Services

Advanced Detection Systems HACCP (Hazard Analysis Critical Control Point) certified factory service technicians and certified local representatives conduct verification and calibration services on-site and are compliant with most QA programs, audits, HACCP and GMP (Good Manufacturing Practices) standards.

As your metal detector usage comes under scrutiny applied by government regulations, auditors and your customers; there is an opportunity to meet expectations and improve your competitive advantage by being proactive in verifying your metal detectors on an annual basis. These services are offered on any make/model metal detection system or equipment.

### Metal Detector Training

We recognize the importance of quality training for our customers to ensure optimal use of their metal detector. Our training programs are conducted by certified factory service technicians and local representatives on-site or if preferred, online for our customer's convenience. Advanced Detection Systems can also customize any training program to meet your specific needs. Our training programs can include information on: Metal Detector 101 - How They Work, Security Features - Protection from Unauthorized Tampering, supervisory personnel setup and clearances, electrical power supply and operation of the metal detector, accessing and managing data settings/change, Product Monitor, use of reject devices and settings, touchscreen calibration and menu options and any specific topic per your application or industry.

### 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. Metal detectors are a Critical Control Point and therefore must remain in service. 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

We have responsive HACCP (Hazard Analysis Critical Control Point) certified service technicians and local representatives at your service. We offer a variety of plant level metal detector services that will ensure consistent metal detector performance and employee familiarity with the operation of your metal detection systems, such as: on-site trouble shooting for metal detectors, conveyors and reject devices, metal detector start-up and employee training, verification services, metal detector software upgrades and metal detector testing.



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