



# ADVANCED DETECTION SYSTEMS

## SURROUNDSCAN DEFENDER-III

INDUSTRIAL METAL DETECTION SOLUTIONS



*free*  
**PRODUCT TESTING**

**GUARANTEED DETECTION LEVELS**



### THE ADVANCED DETECTION SYSTEMS DIFFERENCE

For the past 30 years, Advanced Detection Systems metal detectors have been perfectly manufactured so each system is immune to the effects of electrical interference, vibration, case flexing, production variations and other environmental factors that could cause false readings. In addition, Advanced Detection Systems uses patented state-of-the-art electronics that provide easy setup in virtually all environments. The result is performance reliability that meets your industrial demands. Simply put, THE SURROUNDSCAN DEFENDER-III protects your expensive product and process equipment, so it pays for itself with the first detection.

### INDUSTRIES THAT WE SERVE

Our metal detection solutions are made in the USA and are ideal for rubber, corrugated boxes, recycling, plastic regrind and other applications. Advanced Detection Systems offers quick delivery times and support from metal detection experts. Our experts have experience in industrial applications, packaging, nutraceutical and food processing. We are able to custom design and manufacture to your exact specifications. You can rest assured that it will be done right.

### AFTERMARKET CARE WITH ADVANCED DETECTION SYSTEMS

Advanced Detection Systems focuses on providing excellent aftermarket support. Services offered include: responsive field service, training classes, metal detection certification and service contracts.

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# SURROUNDSCAN DEFENDER-III

## INDUSTRIAL METAL DETECTOR SOLUTIONS



**Patented Vibration Technology**  
Improves performance and reliability when vibration is present



**AccuLearn™ Technology**  
Quickly learns product characteristics, in as little as two passes, to eliminate false trips caused by product variability



**IP69K Construction**  
Our SurroundScan metal detectors are designed to withstand the harshest washdown conditions



**Industrial Systems**  
Custom designed and manufactured to your exact specifications



**Guaranteed Sensitivity**  
We will test your product and provide a sensitivity guarantee



**Rugged Construction**  
All welded construction provides a durable and stable system for consistent metal detection

## SYSTEM TECHNOLOGY

- Adjustable RF protection helps compensate for environmental noise and power fluctuations
- Patented coil auto-balance technology eliminates the need to re-balance the coil
- Digital control and processing with two channel detection
- Data retention when power is disrupted or disconnected

## STANDARD SPECIFICATIONS

- Power Supply: 115VAC standard. Contact factory for other voltages NEMA 4 enclosure
- Humidity: Up to 95% RH
- Operating Temps: 0° to 45°C and 32° to 113°F (lower operating temps available)
- Reject Timer Options: Set from the touchscreen



SURROUNDSCAN DEFENDER-III



SURROUNDSCAN DEFENDER-III  
CONVEYOR CONFIGURATION



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