



**ADVANCED DETECTION SYSTEMS<sup>®</sup>**

REPRESENTED BY:



RATE TECHNOLOGY SYSTEMS, LTD

# PROSCAN SYSTEMS

METAL DETECTION SOLUTIONS



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

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# WHAT SETS US APART

## THE ADVANCED DETECTION SYSTEMS DIFFERENCE

For the past 30 years, Advanced Detection Systems has been developing ProScan™ technology so that each system performs reliably in the presence of power fluctuations, radiated noise and system vibration. In addition, Advanced Detection Systems uses patented state-of-the-art electronics that provide easy setup in wet, dry and virtually all products. The result is performance reliability that meets your production line demands.

## INDUSTRIES THAT WE SERVE

Our metal detection systems are made in the USA and are ideal for packaged and bulk food, dry powder and liquid applications. Advanced Detection Systems offers quick delivery times and support from metal detection experts. Our experts have experience in food processing, packaging, nutraceutical and industrial applications. We are able to custom design and manufacture to your exact specifications and needs. You can rest assured that it will be done right.

## HOW WE HANDLE AFTERMARKET CARE

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

## LONGEVITY AND EXPERIENCE

Our employees have been with the company for decades because of their passion and dedication to the industries that we serve. As a result, each employee knows the ins and outs of the metal detection business and is an expert. They can help you make informed decisions based on your unique needs. Choosing a metal detector solution can be stressful. Let one of our experts take that stress away so you can focus on other things.

## PRODUCT TESTING & GUARANTEED DETECTION LEVELS

What is the best way of making sure that your metal detector works on your specific product? We focus on product testing. Send us your product and we will report the sensitivity results and back them with a written guarantee. Our test process simplifies start-up and ensures long term satisfaction.

## WASHDOWN CONSTRUCTION

Our metal detectors feature IP69K (*Ingress Protection*) sealing of the electronics cabinet.

The metal detector can be sprayed at close range at an average rate of four gallons per minute with water pressures of between 1160-1450psi and at a temperature of 176°F.



### IP69K Wash Down Definition

- IP = Ingress Protection
- (6) = Dust Tight
- (9K) = High Pressure/High Temp Spray Down
- Water-tight sealing, as well as impact resistant protective cover for the front screen, ensure equipment protection



## PROSCAN SYSTEMS' HIGHLIGHTS

### Conveyor Systems

Welded stainless steel construction. Stop-on-detect and automatic reject systems

### Gravity Feed Systems

Perfect for powder, granular and free-fall applications, stand or frame mounted configurations

### Pipeline Systems

Compact, efficient metal detection for pumped viscous liquids such as: sauces, dressings and ground meat products

## COMPANY HIGHLIGHTS

### Metal Detection

The best patented technology available today. Proven inspection that detects the metal before it causes a larger problem for you

### Engineered & Manufactured In-House

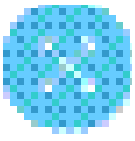
Extensive testing, quality control and top-of-the-line materials go into everything that we do

### Nationwide Service

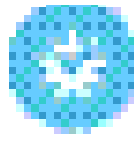
Available across the country to assist with start-up, certifications and emergency service calls

# PROSCAN SYSTEMS

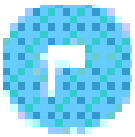
## METAL DETECTION SOLUTIONS



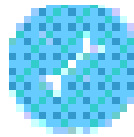
**Patented Vibration Technology**  
Improves performance and reliability when vibration is present



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



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



**Metal Detection 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



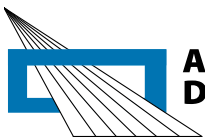
PROSCAN CONVEYOR SYSTEM

## STANDARD SPECIFICATIONS

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



PROSCAN GRAVITY DROP SYSTEM



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SYSTEMS**

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PROSCAN PIPELINE SYSTEM

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