ADVANCED DETECTION SYSTEMS

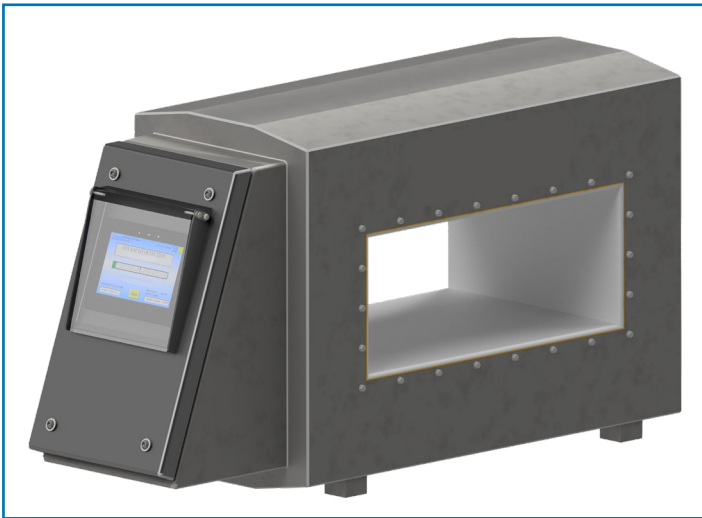# SurroundScan®
Defender III

◊ Expert technical support from our factory

◊ State of the art, high sensitivity detection levels

◊ Built to specific application requirements

◊ Three-level password protection

◊ Data retention when power is disrupted

◊ Protects precision processing equipment
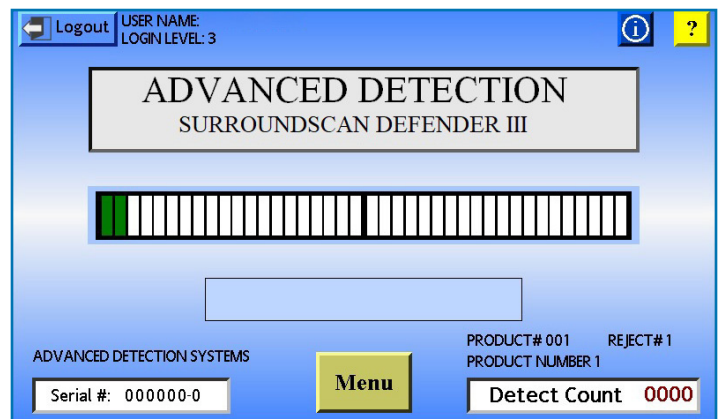

SurroundScan Defender III Metal Detector

SurroundScan Defender III in Plastics Industry

Defender III Features

◊ AutoLearn is used to automatically adjust for optimal sensitivity.

◊ 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.

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.

Defender III Touchscreen

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

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 passes, 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.
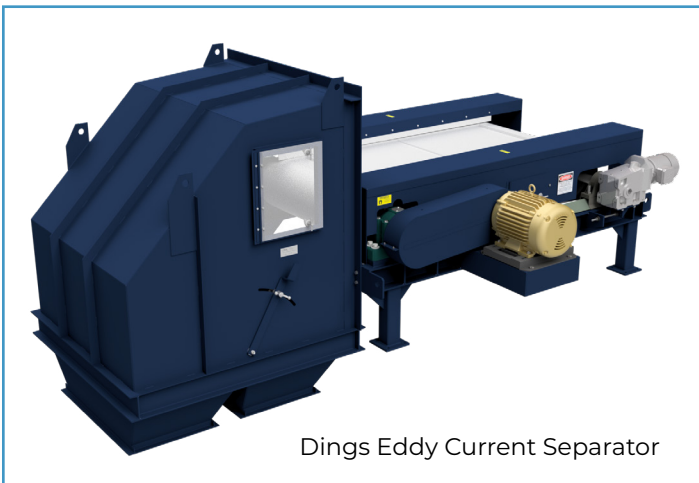
Remote Control Cabinet

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 Defender III protects processing equipment that can't tolerate even the smallest particle of metal without sustaining costly damage and downtime.

Dings Eddy Current Separator

Dings magnetic group co.
an Advanced Detection Systems sister company

Magnetic Separators from Dings Co. Magnetic Group

Dings Eddy Current Separators separate fractional-sized non-ferrous metals (aluminum, die-cast metal or copper) from non-metallic material. Our Eccentric Design comes with new features that optimize separation and simplify maintenance in the field. It is engineered to withstand dusty, dirty and severe outdoor environments.

Free Product Testing

Guaranteed Detection Levels

ADVANCED DETECTION SYSTEMS
Metal Detection Experts

ver. 9–2024

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 Defender's® detection levels for your material stream's specific characteristics. We stand by this method with a written guarantee.