



# ADVANCED DETECTION SYSTEMS®

"Metal Detection Experts"

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## SurroundScan Protector HD Product Spotlight Wood Processing and Organic Recycling Applications Metal Detector



Your equipment is designed to cut, shred and process wood – not metal. The SurroundScan Protector HD metal detector will detect metal, alert workers and even shut down equipment before it can be damaged. The Protector HD's steel construction and NEMA 4 electronics enclosure is designed for outdoor use and the removable end plate facilitates easy installation into existing processing lines.

Each Protector HD is built to your application specifications and sized for your equipment to provide outstanding detection levels. Designed with Advanced Detection Systems' proprietary Acculearn software, the Protector HD can automatically adjust the detector's sensitivity based on your product's characteristics and environment. Built around an armored steel chassis, the SurroundScan Protector HD is designed to take a beating and still provide industry-leading sensitivity and reliability. Fully enclosed coils are protected from impact damage and overburden, while the NEMA 4 control box protects the internal electronics from rain, dust, particles and other harsh environmental conditions.

The Protector HD can be wired directly into your PLC, acting as a signal relay for the command and control of belts and reject devices currently under PLC control, or it can be used as a standalone control device to stop belts or operate reject or marking devices.

Advanced Detection Systems is committed to providing cutting-edge and patented technologies to the metal detection industry while offering superior performance, reliability and ease-of-operation on all of our metal detectors. Our units are proudly manufactured in the USA and are customer-engineered to be tailored specifically to your application. We offer a wide variety of add-on features and upgrades including: external remote cabinets, flag drop metal marker devices, touchscreen upgrades and NEMA 4X upgrades.

To learn more, please contact:

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