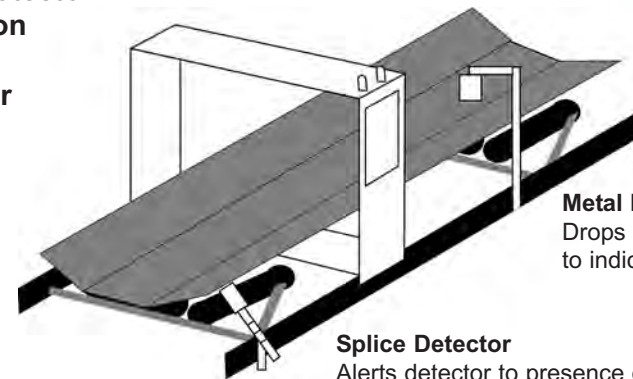


ADVANCED DETECTION SYSTEMS

A COMPLETE LINE OF QUALITY METAL DETECTORS

FOR FERROUS AND NON-FERROUS METALS

Typical SurroundScan Protector
or Protector HD Installation
Showing Optional Splice
Detector and Metal Marker



Metal Marker
Drops a plastic disc or sprays paint
to indicate location of detected metal

Splice Detector
Alerts detector to presence of metal belt
clips and repairs, avoiding false triggers

**Plastic Regrind
Aggregate
Recycling
Cement
Mining**



For over 20 years, Advanced Detection Systems has been making high quality, durable metal detectors for a wide variety of applications. Built from the highest quality materials and state-of-the-art electronics, our metal detectors are designed to provide years of trouble-free service in any environment.



All Advanced Detection Systems metal detectors are engineered, manufactured and serviced in the USA. From our headquarters in Milwaukee, WI, we are able to provide prompt sales and service support to our customers in all areas of the country.

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MINING AND AGGREGATE

PLASTICS AND RECYCLING

SURROUNDSCAN METAL DETECTOR PRODUCT LINE

PROTECTOR

Improve product purity and defend processing equipment with the SurroundScan Protector metal detector. This heavy duty, three coil design is engineered to wrap around a conveyor, detecting all types of metal in reground plastics. For applications requiring detection of minute pieces of metal, an enhanced sensitivity version is available.

Features:

- Heavy duty 1/8" and 3/16" gauge steel construction
- Integral control cabinet - remote control option available
- Shipped completely assembled
- Sizes for belt widths up to 48"
- Optional light duty construction detector available for belt widths 36" or less

Applications:

- Plastics
- Recycling



PROTECTOR HD

Protect your equipment with the SurroundScan Protector HD metal detector. This three coil design is engineered to detect any type of metal. And to eliminate false triggers, the sensitivity can be adjusted to only detect the metal you want, while ignoring small bits that can be passed along.

Features:

- Heavy duty construction - 3/16" and 1/4" steel
- Integral control cabinet - remote control option available
- Shipped completely assembled
- Sizes for belt widths up to 114"

Optional Enhanced Sensitivity

For applications requiring detection of smaller pieces of metal, the Protector HD is available in an enhanced sensitivity version.

Applications:

- Mining
- Aggregate
- Coal handling
- Recycling
- Lumber
- Bulk crop inspection
- Mineral



PROTECTOR GUARDIAN

The SurroundScan Guardian can be easily installed by two workers by simply removing the endplate and placing it around your existing conveyor – no need for forklifts or lifting devices.

Features:

- Stainless steel construction
- Integral control cabinet - remote control option available
- Shipped completely assembled
- Sizes for belt widths up to 48"

Applications:

- Rubber
- Plastics
- Textile
- Paper
- Corrugated Boxes
- Mulch and Compost



FEATURES AND BENEFITS

Feature	Benefit	Protector HD	Protector	Protector Guardian
Digital touchscreen display	Easy to use menus	✓	✓	✓
Noise protection	Consistent detection accuracy	✓	✓	✓
Patented vibration protection	Eliminates nuisance false trips caused by vibration	✓	✓	✓
Metal splice easy setup and learn	Allows detector to ignore metallic splice automatically	✓	✓	
Integral control cabinet	Withstands water, dust, and harsh conditions NEMA 4X	✓	✓	✓
Passcode levels	Increased security	2	2	2
System operate and detect lamp	Highly visible light indicators	✓	✓	✓
High sensitivity	Detects smaller tramp metal in all applications			✓
Epoxy filled head with unique coil design	Washdown protection, IP65/NEMA 4X			✓
Optional remote display	User controls at ground level	100 ft	100 ft	100 ft
Optional heater element	Ideal for cold climate operations	✓	✓	✓
Stainless steel enclosure	Ideal for harsh ambient conditions	Optional	Optional	Standard
Detector's endplate is removable	Quick installation	✓	✓	
Optional light duty construction	Easy to install, ideal for smaller belt widths		✓	

