



ADVANCED DETECTION SYSTEMS

Metal Detection Experts

● 4740 W. Electric Ave. Milwaukee, WI 53219 P: (414) 672-0553 ● www.adsdetection.com ● Engineered & Manufactured in USA ●

Monitoring, Verification and Calibration Differences

RE: Food Processing & Packaging Industry



Ferrous, Non-Ferrous & Stainless-Steel Certified Test Wands

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Metal Detector Verification

Purposes to our service call on _____, we are pleased to verify the following test results for your Metal Detector.

Make: _____ Model: _____ Serial Number: _____

Aperture size: _____

The following certified test samples were tested and detected no less than three (3) times without problem.

mm Ferrous Metal Test Sample, Certification #: _____

mm Non-Ferrous Metal Test Sample, Certification #: _____

mm Stainless Steel Metal Test Sample, Certification #: _____

COMPANY NAME: _____

CUSTOMER SIGNATURE: _____

CERTIFICATION COMPLETED BY: _____

Metal Detector “monitoring”, “verification” and calibration”!!! What do these terms mean and what’s pertinent as you strive for proper use of your investment in metal detection equipment? The term calibration is often used as a catch-all term when describing monitoring procedures and 3rd party verification services.

Monitoring – The daily process you have in place to confirm and document that your metal detectors are detecting the ferrous, non-ferrous and stainless-steel particles specified in the metal detector section of your HACCP (Hazard Analysis and Critical Control Point) plan; for instance, passing test wands through the detector with product every two hours.

Verification – The procedure conducted by the metal detector’s manufacturer or third party to verify the metal detector and reject devices are performing as you have documented in your daily monitoring process. Usually this is an annual process that supports audit requirements.

Calibration – The procedure conducted by the manufacturer of your metal detection system to re-balance the metal detector’s transmit and receive coils and any settings to bring the metal detector back to manufacturer standards. This procedure may still be required as part of the verification service if you have older analog metal detectors in use. However, current generation ProScan metal detectors feature auto-balance technology which eliminates the need for calibration service.

As your metal detector usage comes under scrutiny applied by government regulations, auditors and your customers there is an opportunity to meet expectations and improve your competitive advantage by being proactive in scheduling verification service on an annual basis.

Questions we hear.....

QUESTION – If my detectors don’t require calibration why does the government, auditors and customers require me to arrange for 3rd party verification of my detectors?

ANSWER – Having an appropriate 3rd party visit your plant and run tests, verifies the results of your daily monitoring procedures. If the 3rd party is unable to verify detection of the test particles then its apparent the daily monitoring process is being performed incorrectly and not properly testing the detector’s performance. If this were to happen, the 3rd party is obligated to train your staff to properly conduct daily monitor tests.

QUESTION – Proper verification has value but at what cost?

ANSWER – Dispatching factory service technicians to your plant can be costly so Advanced Detection Systems has trained our local manufacturer’s representatives to conduct verification of Advanced Detection Systems and other brand metal detectors as economically as possible. Advanced Detection Systems factory trained representatives bring you the added value of verification documented by Advanced Detection Systems as the manufacturer of your ProScan metal detection equipment.