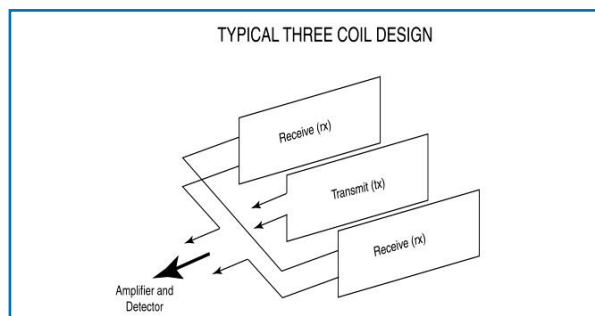


Top Ten Metal Detector FAQs

1. What Is A Metal Detector & How Does It Work?

A metal detector is an electronic device for detecting the presence of unwanted metal. It is made up of a transmitter and receiver antenna. The electronics evaluate signal changes and indicate if the changes are caused by metal.



2. Why Do I Need A Metal Detector?

There are two reasons. The first is protection of your expensive processing equipment. The second is to ensure the integrity of your product. Metal can damage your equipment and your reputation if its found in your product.

3. Where Should I Put The Metal Detector?

If you are trying to protect equipment, then it should be placed as close to the infeed section as possible; while still allowing ample space to stop before metal can enter. If you want to protect your final product, then it should be located as close to the end of the production line as possible — after the product has been packed.

4. How Do I Choose A Metal Detector?

Make sure that the metal detector is appropriate for your unique application, the aperture size is appropriate for the various products that will be tested and that the detector is in the right location.

5. What Is Product Effect?

Factors that influence the signals picked up by the metal detector. Moisture, fat, acidity, temperature, salinity, orientation and mass are all factors.

6. What Is Sensitivity?

The minimum diameter sphere that can be consistently detected at the center of the metal detector opening. There are two kinds of sensitivity: "maximum" or "in-product". Maximum is the best sensitivity possible under ideal conditions. In-product is the sensitivity obtained when actually inspecting the product.

7. What Factors Influence Sensitivity?

Product effect, size, shape, type and orientation of metal contaminants, the size of the opening of the metal detector; as well as the environment of operation that the metal detector occupies.

8. What Are The Different Types of Metals?

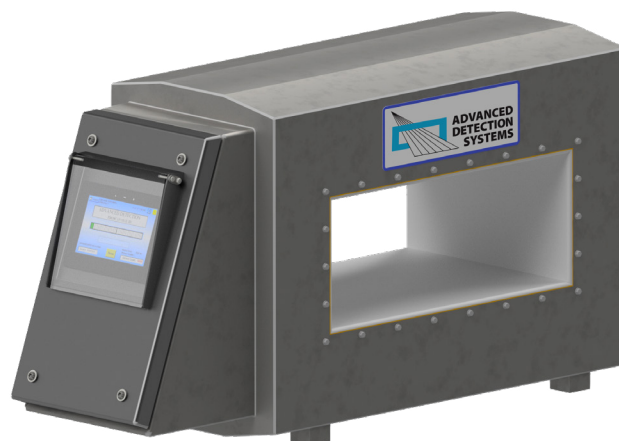
Ferrous, non-ferrous, and stainless steel. Ferrous metals are magnetic metals like steel and iron. These are the easiest to detect. Non-ferrous metals are copper, aluminum, brass and bronze. And finally, stainless steel metals such as: 302, 304 and 316 are the hardest to detect. Generally, a piece of nonmagnetic stainless steel must be 1.5 times larger, than a ferrous metal, in order to be detected by a metal detector.

9. What Should I Do If Metal Is Found?

It should be collected and examined in order to trace the metal back to its source. If an automatic reject device (removes contaminants automatically) is not feasible, then the product needs to be removed from the line and manually inspected.

10. How Do HACCP Rules Relate To Detection?

The main purpose of the HACCP initiative is to develop a procedure that identifies possible locations in your production line where product contamination can occur and to create a method of inspecting those locations on a regular basis to prevent contamination. Documentation of these inspections is a major feature of any HACCP plan. Modern metal detectors have a record keeping ability to provide a history of contamination incidents



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Aftermarket Support with Customer Service Focus

Advanced Detection Systems outstanding metal detector service is a team effort. Our sales, engineering and service staff experts coordinate our support to meet your specific service needs.

Provide Customer Focused Service

Over the years, Advanced Detection Systems has developed a variety of services and training programs. These are designed to help our customers stay current in the best practice methods of use for their metal detectors, optimizing the value of their metal detection investment. Your purchase of a metal detector from Advanced Detection Systems includes expert technical support for the life of the equipment. This includes installation, start-up and the testing needs for your metal detection system. Some of the services we offer are: Verification Services for any make/model metal detector, On-site Field Service, Metal Detector Training, Software Upgrades and FREE Product Testing with guaranteed detection levels. Service is provided from our service technicians, factory sales and local representatives that are HACCP (Hazard Analysis Critical Control Point) certified. Our engineering, factory sales staff and local manufacturer's reps are also on standby to assist our customers.

Free Product Testing

Use our free product testing service to ensure that you are investing in the best possible metal detector for your application. Advanced Detection Systems product testing service is conducted promptly at our factory lab in Milwaukee, WI - USA. Our up front product testing leads to trouble free start-up of the metal detection system at your facility. This service allows us to build the metal detector for optimum performance and reliability for your specific products. When you utilize our product testing service, you will receive a factory Sensitivity Guarantee indicating the optimal ferrous, non-ferrous and stainless-steel detection levels for your specific products.

Metal Detector Verification & Services

Advanced Detection Systems HACCP (Hazard Analysis Critical Control Point) certified factory service technicians and certified local representatives conduct verification and calibration services on-site and are compliant with most QA programs, audits, HACCP and GMP (Good Manufacturing Practices) standards.

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 verifying your metal detectors on an annual basis. These services are offered on any make/model metal detection system or equipment.

Metal Detector Training

We recognize the importance of quality training for our customers to ensure optimal use of their metal detector. Our training programs are conducted by certified factory service technicians and local representatives on-site or if preferred, online for our customer's convenience. Advanced Detection Systems can also customize any training program to meet your specific needs. Our training programs can include information on: Metal Detector 101 - How They Work, Security Features - Protection from Unauthorized Tampering, supervisory personnel setup and clearances, electrical power supply and operation of the metal detector, accessing and managing data settings/change, Product Monitor, use of reject devices and settings, touchscreen calibration and menu options and any specific topic per your application or industry.

Replacement Parts

Advanced Detection Systems offers replacement parts and spare parts lists for your equipment. Our factory trained service technicians, engineers and sales staff are experts on our metal detection systems. Metal detectors are a Critical Control Point and therefore must remain in service. Ask us about developing a spares part list for your specific metal detection system to prevent downtime that can be expensive and disastrous. Our staff is available to assist in identifying parts needed for your metal detector and we can easily look up the information in our system. Many parts are currently in stock and available for same day shipment, including electronic replacement parts that are unique to your specific metal detection system.

Field Service

We have responsive HACCP (Hazard Analysis Critical Control Point) certified service technicians and local representatives at your service. We offer a variety of plant level metal detector services that will ensure consistent metal detector performance and employee familiarity with the operation of your metal detection systems, such as: on-site trouble shooting for metal detectors, conveyors and reject devices, metal detector start-up and employee training, verification services, metal detector software upgrades and metal detector testing.

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