



Magnet Testing & Validation Services

Magnets play an important role in the safety of finished products and should be included in every food safety program to assist with removing the physical hazard of metal fragments from product streams.

Insufficient metal fragment controls leave your company at risk of contamination in final food products, consumer complaints, food recall, financial loss, and legal implications.

AMR Magnet Audits & Validation Reports allow you to minimize these risks by helping you understand the status of your magnets and highlighting areas of improvement required to increase foreign metal fragment control.



AMR Magnet Validations = Reduced Risk!

Who is AMR?

We are a small team of highly trained technicians with extensive experience in metal fragment control design, testing, and analysis. We specialize in magnet testing and magnet validations for the food industry.

Our team works closely with clients across North America, Australia & New Zealand to help them gain control over foreign metal fragments and reduce risk of contamination in their final product.



More than a simple strength test...

The strength of your magnets, although important, is not the only factor that determines their effectiveness.

AMR Magnet Validation Reports go above and beyond a simple strength test. They contain detailed and accurate information including;

- Informative inspection reports on each magnet
- Expert advice on controlling hazards and reducing metal contamination risks
- Recommendations for new and upgraded magnetic separation systems, where required.



Request pricing or learn more at CentroSolves.com
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AMR Reports are valuable in...

Ensuring magnetic separators;

- Are designed to current industry standards
- Are of specified strength
- Are installed correctly and in appropriate locations
- Provide maximum product stream coverage

Helping food industry clients;

- Reduce risks of metal contamination in final product
- Protect sensitive processing equipment
- Reduce consumer complaints, brand name damage, food recall, and financial loss
- Prepare for upcoming plant audits and inspections
- Comply to stringent QA and industry standards



I don't know of anyone else on the planet who have the insight and knowledge of food industry magnetics and metal contamination control that AMR and their partners do.

- US Food Safety Auditor

AMR come in and do a complete capability study on the magnets in our operation which help us prioritize which magnets we need to relocate, repair, or replace...all the way from 'critical' down to 'recommended'. In addition, they also let us know which magnets don't need changing and already comply.

- Reliability Engineer, major US-based confectionary company.

AMR Reports are amazing. They show us exactly what we need to know and what our auditors need to know regarding our magnets and metal fragment controls.

- Quality Assurance, Australian spice manufacturer.



AMR's range of services include:

- ✓ HACCP International certified magnet validations and metal fragment control risk assessments.
- ✓ Calibration of gauss meters and test magnets traceable to an accredited laboratory.
- ✓ Supply of calibrated test magnets & validation kits.
- ✓ Consulting services for metal fragment control in raw materials, ingredients and final products.
- ✓ R&D magnetic separator design and devices to prototype stage.

What is involved?

STEP 1 Onsite Magnet Strength Test and Inspection

A trained technician will conduct the initial magnet audit and collect essential data on each magnet at your site. A risk assessment will be conducted where unprotected risk areas are identified and where magnetic separators should be considered. Testing time is minimal, and we align with your production schedule to minimize disruption.

STEP 2 AMR Magnet Validation Report

Following the audit, the data will be reviewed by our metal fragment control experts in accordance with relevant food industry standards. This data will be collated into a comprehensive AMR Magnet Validation Report and supplied to you. The Report includes a detailed analysis on all existing magnets, identifies areas where action is required to reduce risk, and provides recommendations for rectification. The Report will also include confirmation of locations where current magnet protection is adequate and no action is required.

STEP 3 Report Review & Action Plan

A technician will regroup with your team to review the report and provide a corrective action plan to close the gaps and enhance your food safety controls. Magnattack Global will support as a consultant associate to ensure that the final outcome = full compliance.

STEP 4 Plan Implementation

Magnattack technicians will work with your team on a quality, engineering, and production basis to provide replacement magnetic separation systems unique to your individual needs. This will ensure long-term solutions are implemented that have a positive ROI and a positive impact on food safety and risk reduction.

STEP 5 Ongoing Support

AMR and Magnattack technicians work with your team to re-evaluate your magnets on an annual cycle and provide ongoing assistance to maintain foreign metal fragment control. This will assist you in the early detection of potential issues, prior to escalation of metal contamination complaints or recalls.

We're here to help. Whether you need further information, have questions, or would like a quote for your next magnet validation, please contact the AMR team.



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