

Food and Pharmaceutical Industry Seals

**DETECT &
PROTECT**
THE SCIENCE OF DETECTION

Typical Applications:

- Food
- Beverage
- Pharmaceutical

As a result of excessive use, shearing and damage can occur to equipment causing undetectable product contamination. Metal detectables can eliminate product recall, lower product loss and decrease the risk of elastomers consumed in finished product.

System Protection with Metal Detectable Seals

A common problem with component and filler parts is excessive wear and tear. When rubber breaks off a moving part it can migrate through your system and into your product. Searching for and locating fragmented rubber parts is a costly, time consuming and inconclusive process requiring expensive x-ray equipment, manual observation and an extensive maintenance program. Not locating a worn and lost rubber piece can have an even costlier outcome. By manufacturing a standard elastomer with a metal impregnated compound, displaced rubber material can now be located by an in-line metal detector. This alarm enables your system to instantly reject contaminated product.



Benefits of Metal Detectable Seals include:

- Easily detect lost elastomeric fragments.
- Prevent product recall.
- Lower product loss.
- Stop distribution of contaminated product.
- For use in standard OEM equipment.
- Designed for microbial, high-temperature and mechanical applications.
- Available in hygienic seals, screens, sheets, extrusions, valve stems and filler boots.

Metal Detectable Seals

Detectable Seal Materials:

- Buna
- EPDM
- FKM
- Silicone
- Tuf-Steel™



Meets Industry Standards:

- Elastomers meet Title 21 CFR 177.2600
- Tuf-Steel meets Title 21 CFR 177.1550
- Meets USDA Hazard Analysis and Critical Control points.
- Detectable metal additive meets the latest revision of the Food Chemicals Codex *
- Animal Derived Ingredient Free†

* The Food Chemicals Codex Project is an activity of the food and nutrition board of the Institute of Medicine and is supported by the U.S. Food and Drug Administration.

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† Buna is not an ADI Free elastomer

Please Contact a Daemar Customer Service Representative for all your inquiries. Or visit our website www.daemar.com.



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