



X-Spy

Reduce your Recall Risk with Industry-leading Detectability



Product recalls pose a major risk for your business. Disrupted operations, inventory loss, the long-term impacts of reputational damage and decreased consumer confidence can devastate even the most popular brands.

Improve HACCP compliance and protect your brands with Siftex X-Spy.

X-Spy is a proprietary group of polyurethane and rubber compounds used for flexible connecting sleeves, seamless rubber tubing, screen cleaning balls, film/sheet goods, conveyor belting and more. X-Spy compounds offer industry leading 3-way detection of plastic and rubber contaminants before they reach your customer and force a recall.

X-Spy particles can't hide from your x-ray detection equipment. Likewise, small X-Spy pieces are easily detected by metal detection equipment and magnetic traps. No other polyurethane or rubber compounds offer the level of detection and reduction of contaminant risk your HACCP program can achieve with X-Spy.

Ask your Siftex Rep. for some test pieces! Find out how X-Spy can work for you. Reduce your risk today!



RECALL HIGHLIGHTS

- Nearly **60%** of companies have been impacted by food recalls. (GMA)
- Food recalls cost processors **\$10 million** in direct costs on average. (Food Marketing Institute)
- 5% of companies incur **>\$100 million** in direct and indirect costs. (GMA)
- Foreign material contamination (**>30%**) is a top culprit for USDA recalls. (USDA)
- Plastic, metal, glass and rubber are the top foreign materials. (USDA)
- Food recalls due to rubber and plastic have **doubled** in recent years.
- **1 in 5** consumers affected by a recall will not buy a product from the impacted manufacturer. (Harris)



X-SPY FEATURES:

X-ray and metal detectable, magnet susceptible
smallest X-ray detectable X-Spy sizes per TDI:

SEAMLESS RUBBER TUBING	SCREEN CLEANING BALLS	CUSTOM FABRICATED CONNECTORS
		
1/8" 1/4" 3/16" THICK Custom Thicknesses by Request	1-3/8" (35mm) 2" (50mm) Custom Diameters by Request	.020" .040" THICK Flat Sheetting

X-ray detection tests were conducted in March 2020 by TDI Packsys using the TXR-5080SH X-Ray Inspection System. Siftex provided 3 types of X-Spy product for testing, cut into various sizes to create individual size test pieces.

X-Spy Mild Steel Sphere Equivalent comparison values per Eriez:

X-Spy Blue Rubber Pucks:

~ 6MM CUBE RUBBER PUCK 1			~ 6MM CUBE RUBBER PUCK 2		
SAMPLE #1	SAMPLE #2	SAMPLE #3	SAMPLE #1	SAMPLE #2	SAMPLE #3
4mm Fe	3.7mm Fe	4mm Fe	3.8mm Fe	3.7mm Fe	3.7mm Fe

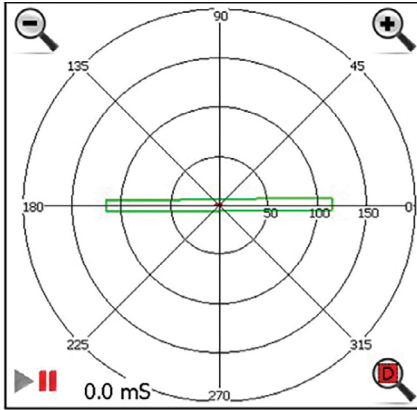
X-Spy Blue Rubber Sheet:

Sample	#1	#2	#3	#4	#5	#6	#7
~ 6mm x 6mm x 1.5mm	2.1mm Fe	2.1mm Fe	2.1mm Fe	2.1mm Fe	2.1mm Fe	2.1mm Fe	2.1mm Fe
~ 6mm x 6mm x 3mm	2.9mm Fe	N/A	2.9mm Fe	N/A	2.9mm Fe	N/A	2.9mm Fe
~ 6mm x 6mm x 6mm	4mm Fe	N/A	N/A	N/A	4mm Fe	N/A	N/A

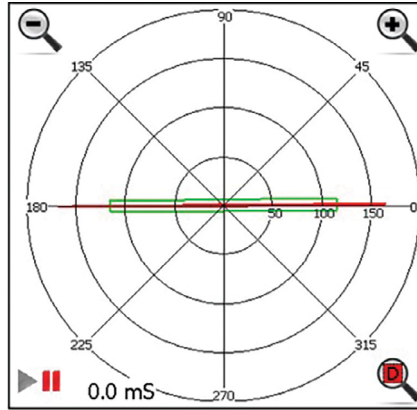
X-ray detection tests were conducted in March 2020 by Eriez Magnetics using the Xtreme Metal Detector Tunnel Aperture (14"W c 8"H) set to frequency range 5. Siftex provided X-Spy Blue Rubber Sheet and X-Spy Blue Rubber Pucks that were cut and stacked to form various test sizes.

X-SPY FEATURES: *continued*

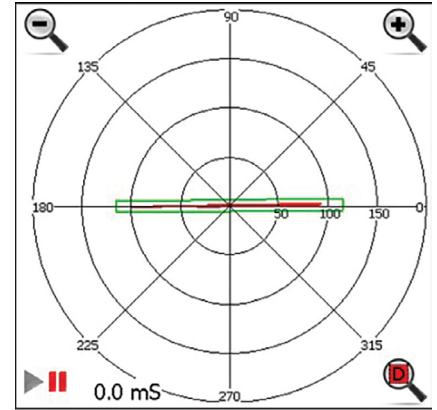
No Product



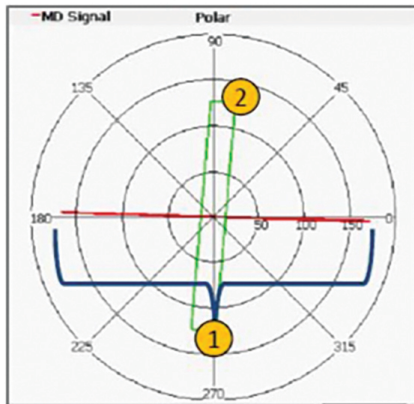
Dry Product Only



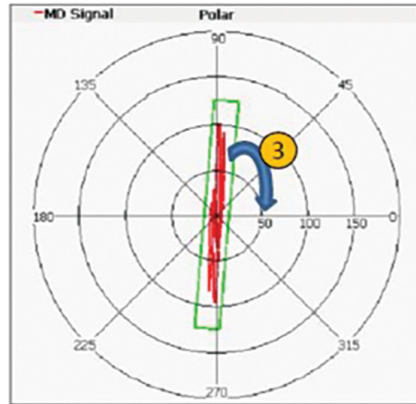
Dry Product with PolyMag®



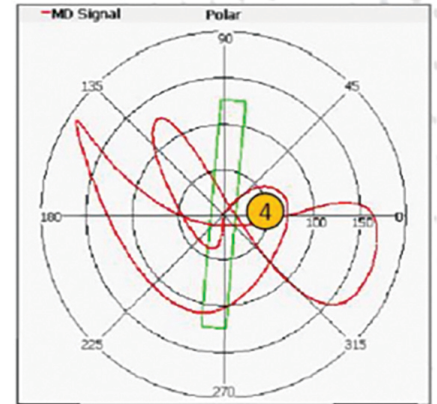
X-Spy Product Only



Food Product Only



Food Product with X-Spy



1. Magnitude of X-Spy Signal (red)
2. Detection Boundary for the Food Product (green)
3. Phase Angle of X-Spy Signal (typical for meat/produce)
4. Detection occurs when the product signal (red) crosses the detection boundary (green).

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