

FOR IMMEDIATE RELEASE

Media Contact Information:

Brian Lowe
Greenough
+1 617-275-6523
blowe@greenough.biz

Ellen Share
Thermo Fisher Scientific
+1 763-783-2574
ellen.share@thermofisher.com

New Metal Detection Platform Improves Foreign Object Detection in Food and Consumer Products

Thermo Scientific Sentinel multiscan metal detector finds previously undetectable metal contaminants

MINNEAPOLIS (SEPTEMBER 5, 2017) – A first-of-its-kind metal detection platform from Thermo Fisher Scientific rapidly scans up to five frequencies to help food and consumer goods manufacturers confidently find ferrous, non-ferrous and stainless steel metal contaminants in products to improve safety for their customers. [The Thermo Scientific Sentinel multiscan metal detector](#) also enables users to identify contaminants that are up to 50 percent smaller in diameter than previous technologies, including the Thermo Scientific APEX 500 metal detector.

The Sentinel metal detector will make its global debut at Pack Expo Las Vegas, Sept. 25-27, at the Las Vegas Convention Center, Las Vegas, booth C-2200.

“The Sentinel metal detector’s multiscan functionality raises the bar for detection capability, flexibility and performance,” said Bob Ries, lead product manager, product inspection for Thermo Fisher Scientific. “Scanning many frequencies with one detector means that the probability of detection exponentially increases, reducing the risk of costly contamination events that require rework, scrap and recalls. With the Sentinel metal detector, it is like having five separate metal detectors combined, each looking for contaminants at a different frequency.”

The Sentinel metal detector is designed for a wide range of applications, offering improved performance for products such as dairy, meat, poultry, fruit, vegetables, bread, and health and beauty. Inspecting these products for foreign objects is especially challenging because of what is known as product effect, where the signal from a particular type of metal can be hidden inside the electromagnetic response of the product. With prior technology, switching the operating frequency could make the hidden metal detectable, but could then make a different type of metal undetectable. Thermo Fisher designed the Sentinel to alleviate this problem by scanning multiple frequencies, increasing the probability of finding all random sizes, shapes and types of embedded metal foreign objects.

Because the Sentinel metal detector has the same footprint and aperture location as the APEX 500 metal detector, users seeking to upgrade to the new platform can do so easily.

For more information about the Thermo Scientific Sentinel multiscan metal detector, please visit www.thermofisher.com/SentinelMD.

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. is the world leader in serving science, with revenues of more than \$20 billion and approximately 65,000 employees globally. Our mission is to enable our customers to make the world healthier, cleaner and safer. We help our customers accelerate life sciences research, solve complex analytical challenges, improve patient diagnostics, deliver medicines to market and increase laboratory productivity. Through our premier brands – Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific and Unity Lab Services – we offer an unmatched combination of innovative technologies,

purchasing convenience and comprehensive services. For more information, please visit www.thermofisher.com.

###

Sales inquiries:

Thermo Fisher Scientific

Product Inspection

501 90th Avenue NW

Minneapolis, MN 55433 USA

Phone: +1 763 783-2500

Email: sales.packaging.us@thermofisher.com

www.thermofisher.com/productinspection