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**Thermo Fisher Scientific Will Announce New Multilayer Coating Thickness Measurement Capabilities at IMTS 2008**

*Handheld Thermo Scientific Niton XL3t 800 Series XRF Analyzers Provide At Line, Nondestructive Solution for Gauging Coating and Plating System Effectiveness*

BILLERICA, MA (August 15, 2008) – Thermo Fisher Scientific Inc., the world leader in serving science, will announce its new coating thickness/coating weight measurement technology at IMTS 2008, McCormick Place, Chicago, IL, Booth # D4431. Thermo Fisher Scientific is the world's leading manufacturer of handheld x-ray fluorescence (XRF) analyzers.

The handheld Thermo Scientific Niton XL3t 800 XRF analyzer, already known for its superior positive grade identification and composition analysis of alloy and metal coatings and substrates, now will offer the benefit of coating thickness and coating weight measurement, providing an “out of the box,” nondestructive solution for gauging the effectiveness of coating and plating systems.

Fast and easy to use, the instrument will not only perform at line and plating bath solution analysis, but provides more accurate data than non-XRF technologies, such as eddy current, magnetic induction, and Beta backscatter. Users will get precise multilayer coating thickness results in seconds. Testing at the plating line means increased productivity and improved process efficiency, eliminating over-coating or under-coating. Further, because the Niton® XL3t can measure irregularly shaped samples as well as small-diameter wiring or tubing, there is no longer a need to cut samples for benchtop analysis.

“Skyrocketing costs of metal coating materials such as zinc have driven the need for improved process control. Anything other than optimum coating thickness is unacceptable either from a quality control or cost control standpoint,” said Mark Lessard, Thermo Fisher's business development manager for alloy and coatings for the Niton Analyzers business unit. “Our analyzer can provide the appropriate application for general metal finishers who are concerned with corrosion resistance and wear resistance, as well as the automotive industry with its need for passivation coating analysis or the aerospace industry that has the added concern of corrosion resistance at high temperatures and lubricity.”

**About Niton Analyzers**

The Thermo Scientific Niton XL3 Series incorporates 80 MHz real-time digital signal processing and dual state-of-the-art embedded processors for computation, data storage, communication and other functions. The x-ray tube-excited XL3t 800 features a 50 kV, 2-watt miniaturized x-ray tube with multiple multi-layer primary filters – the most powerful x-ray tube ever placed in a commercially available handheld XRF analyzer – to provide optimized excitation for elements ranging from chlorine through the transuranic elements. The XL3t can also be equipped with small-spot sample analysis, allowing users to switch between full area analysis for large samples and a 3mm small-spot to analyze small sample areas. An optional integrated color CCD camera lets users view specific measurement areas and store the image together with the analysis data.

The Niton XL3 Series offers the only fully-integrated and environmentally-sealed VIP™ tilting color touch-screen display for easy viewing of sample results in any position and under all lighting conditions. In addition, all Niton analyzers use third-generation lithium-ion batteries providing the longest usage cycle of any portable XRF analyzer.

Further, the Niton XL3 Series comes with the Niton Data Transfer (NDT) Software, a suite of data management utilities that allows users to produce certificates and reports, monitor or operate the instrument remotely from a PC or PDA. The NDT file format preserves and protects the data from each sample analysis, ensuring that this data is not unintentionally or intentionally compromised. The NDT software suite helps users document test results and ensures the quality and integrity of the data produced by the Niton XL3 Series analyzer.

For more information in advance of IMTS 2008, or to schedule an on-site demonstration, contact your local Niton Analyzers representative or contact the Thermo Scientific Niton Analyzers business unit directly at (800) 875-1578 (toll-free US), +1 978 670-7460, by e-mail at [niton@thermofisher.com](mailto:niton@thermofisher.com) or by visiting our website at <http://www.thermo.com/niton>.

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