

Learn how customers are using Thermo Scientific Niton analyzers to meet their challenges



Les Gold and Seth Gold from American Jewelry and Loan with the Niton XL2.



American Jewelry and Loan Sorts It Out

Since its inception, American Jewelry and Loan, the largest pawn shop in Detroit, Michigan, USA, has tested the purity of the gold it takes in by using the “acid test” method. When Seth Gold, managing partner with father Les, heard about an instrument that could tell them within seconds the purity of the gold being analyzed, he investigated and was convinced. Now that they have the Thermo Scientific™ Niton™ XL2 and DXL precious metal analyzers, Seth notes, “It’s a lot easier. It’s faster. It’s better than acid. The cost of the analyzer is a small price to pay to ensure that the items we take in are 100 percent accurate.”

GCAL Makes a Brilliant Choice

Since the beginning of the “gold rush,” Gem Certification & Assurance Lab, Inc. (GCAL™), which is headquartered in the World Diamond Tower in New York City, and its president, Don Palmieri, have appeared as experts for most of the major TV networks on gold stories investigating and uncovering predatory buying practices aimed at consumers. In all such reports, Palmieri has said, “We rely on Thermo Scientific™ Niton™ XRF instruments for accurate analysis of jewelry being tested.” He adds, “What’s more, in addition to precious metals testing, using the XRF analyzer, we also can detect lead in glass-filled gemstones, and detect cubic zirconia quickly in parcels of melee or even pave diamond-set jewelry.”

PMRS Knows Its Worth

Looking for a fast, accurate, and easy-to-use solution to help with its precious metals reclamation, Precious Metals Reclaiming Service (PMRS), Westwood, Massachusetts and Lantana, Florida, chose Thermo Scientific Niton XRF analyzers to meet the challenge. Allan Nyborn, president, comments, “We’ve been doing this for more than 60 years, and since we’ve gotten our [Thermo Scientific] Niton analyzers, I don’t know how we could run our business without them now. They’re rugged, reliable, and dependable.”

Screen Jewelry for Toxic Substances

Jeff Weidenhamer, Ph.D., Professor of Chemistry and Chair, Department of Chemistry, Geology & Physics at Ashland University, Ashland, Ohio says, “The Niton XL3t XRF analyzer has proven to be a valuable screening tool to determine the lead and cadmium content of jewelry.”

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