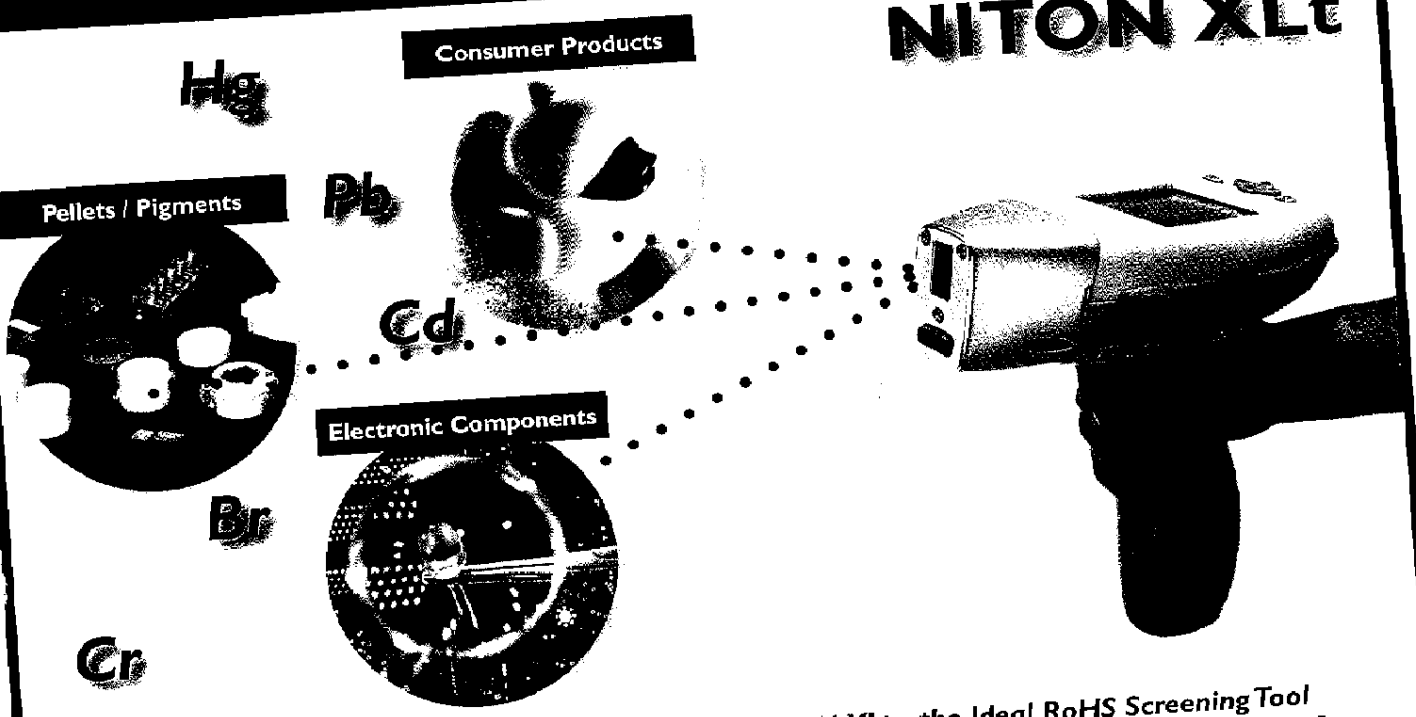
Fast, Nondestructive RoHS and WEEE Screening

NITON XLt



EU 2002/95/EC - The RoHS Directive

Early in 2003 the European parliament drafted legislation restricting the quantities of certain hazardous elements in consumer products and electronic materials. This legislation, dubbed the RoHS or Restriction of Hazardous Substances directive will become effective on the 1st of July, 2006. At that time, products entering EU countries will likely require strict documentation of compliance, the responsibility of enforcement being upon individual Member States. Restricted substances and their maximum permissable levels will be as follows:

Cadmium (Cd)	<100 ppm or 0.01%
Mercury (Hg)	<1000 ppm or 0.1%
Lead (Pb)	<1000 ppm or 0.1%
Hexavalent chromium (Cr(VI))	<1000 ppm or 0.1%
Polybrominated Biphenyls (PBB)	<1000 ppm or 0.1%
Polybrominated Diphenyls (PBDE)	<1000 ppm or 0.1%

In order to ensure product compliance in manufacturing, suppliers, fabricators, assemblers, and even recyclers must perform verification testing on components. As such, much work is underway to structure new RoHS QA/QC protocols and develop analysis programs - where speed, accuracy, and cost-effectiveness are critical.

NITON XLt - the Ideal RoHS Screening Tool

The handheld XLt 797 analyzer from NITON LLC provides a fast, reliable and nondestructive means of screening plastics and electronic components for RoHS-prohibited substances.

The XLt 797 provides a rapid quantitative analysis of cadmium, lead, mercury, total chromium and total bromine - as well as addtional elemental constituents in as little as 30 seconds. The XLt's fast, nondestructive analysis provides the data necessary for a fast go/no-go decision. PCB's, components, plastic housings, cables, raw materials, pigments, etc. can all be tested with one instrument. The XLt 797 is the ideal tool for compliance screening in manufacturing, border control and in recycling of scrap for WEEE compliance.

RoHS screening using the NITON XLt 797 eliminates production delays associated with lab analysis, while the fast results and nondestructive nature of the test allows a much larger sampling of material to be tested. The XLt 797 provides a number of distinct advantages:

- Very easy to use - even by nontechnical personnel
- Little to no sample preparation is necessary
- Nondestructive test with instantaneous results
- Powerful NDT© data managment software suite

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