

Positive Material Identification

Positive material identification is an important analysis performed to confirm the intended materials are the actual materials used. Through the use of various methods of elemental detection, clients gain the chemical analysis required for code calculations and material-grade verification. General testing protocols are easily deployed and, in most cases, results may be analysed on site. Additional capabilities include lead-presence verification, requiring proper handling, and abatement, ensuring the safety of all those involved.



THE Applus+ SOLUTION

Applus+, with its advanced procedures, can perform the onsite chemical analysis and grade verification of questionable materials used in most general industries. Alloy sorting and verification is performed using an array of XRF and OES analysers, confirming material grades prior to installation.

Carbon-based materials require the use of optical-arc spectrometers, which are used when lighter elements require reading. Both methods require minimal surface preparation and, in some instances, none at all. With its historic materials library, Applus+ is able to verify many materials in record time.

Target customers

All industries make use of positive material identification.

Key customer benefits

Benefits of positive material identification include:



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- Field-deployable technology
- Quick sorting of general materials
- Rapid and accurate results
- Minimal preparation in most cases
- Large Applus+ materials library available
- Lead identification
- Required alternative for missing original materials report