

CHEMLITE™ LASER METALS ANALYZER

Laser-accurate Positive Material Identification (PMI) of metal alloys for industry-critical operations.



When people's safety, your profits, and your customers' operations are at risk, there's no margin for error and no substitute for accuracy. Choose the ChemLite™ Metals Analyzer to ensure correct alloy identification and positive material identification is complete. Only its laser technology provides the comprehensive chemistry breakdown you need to help deliver on-spec quality and safeguard downstream production.

FINALLY, A MORE RELIABLE TOOL FOR SUCH AN IMPORTANT JOB

Positive Material Identification ensures that the materials used in your operation are what they need to be in order to conform with quality control or regulatory and safety requirements demanded in the industry. Until today, inaccurate and time-consuming chemical ID methods, especially of light alloys, only made the job more difficult. Now, with the new ChemLite™ Laser Metals Analyzer, trust your operation to a better tool specifically designed to make comprehensive metal chemistry readings with point-and-shoot ease in such a demanding setting.

EXPANSIVE AND CUSTOMIZABLE LIBRARY

Factory-loaded with over 500 metal alloys from all the major base metals, the ChemLite analyzer readily identifies your alloys and any deviations from specifications. With its ability to add new alloy definitions, ensures your analyzer is adaptable as your metals of interest of change, and your business grows.

NO X-RAYS, NO HASSLES

The ChemLite™ Metals Analyzer features a Class 1M eye-safe laser, so you can avoid x-ray's radiation safety concerns and its associated paperwork, compliance checks, user training, user restrictions and annual fees. That's reducing regulatory burden.



SUPERIOR ASSAYS OF LIGHT AND HEAVY METALS

Get precise chemistry breakdowns on heavy and light metals, including accurate analysis of light elements like Al, Mg, and Si in Fe base metals. Quickly and accurately analyze the light elements that traditional XRF instruments miss– to deliver product that meets your own or your customer's specifications and enhances your quality reputation.

+ Base Metals

- Aluminum (Al)
- Cobalt (Co)
- Copper (Cu)
- Iron (Fe)
- Magnesium (Mg)
- Nickel (Ni)
- Titanium (Ti)

+ Alloying Elements

- Aluminum (Al)
- Beryllium (Be)
- Bismuth (Bi)
- Boron (B)
- Chromium (Cr)
- Cobalt (Co)
- Copper (Cu)
- Iron (Fe)
- Lead (Pb)
- Lithium (Li)
- Magnesium (Mg)
- Manganese (Mn)
- Molybdenum (Mo)
- Nickel (Ni)
- Niobium (Nb)
- Silicon (Si)
- Tantalum (Ta)
- Tin (Sn)
- Titanium (Ti)
- Tungsten (W)
- Vanadium (V)
- Zinc (Zn)
- Zirconium (Zr)

SPECIFICATIONS

- + Analyzes base metals and alloying elements – see list at right
- + Preloaded with a library of 500+ metal alloys; user-configurable library
- + Superior limits of detection: ~0.01%
- + Highly precise measurements: typically $\pm 5\%$ or better
- + Three modes of operation: Assay (quantification of elements), PMI (material classification) and Screening (pass/fail of alloy and element screening)
- + 3-second analysis time
- + USB and Bluetooth data storage/transfer
- + "Certificates of Verification" reports
- + 5°C to 35°C operational temperature
- + Battery life for hundreds of measurements
- + 2 rechargeable, removable lithium-ion batteries included
- + AC power charger included
- + Hard-side carrying case included
- + 1-year limited warranty

FOR AN ON-SITE DEMONSTRATION, CONTACT A TSI® | CHEMLOGIX™ REPRESENTATIVE BY VISITING [TSI.COM/CHEMLITE](https://www.tsi.com/chemlite) OR CALL **800-874-2811**.