FAST FACT

HANDHELD LIBS EXPLAINED

WHAT IS LIBS?

LASER

INDUCED

BREAKDOWN

SPECTROSCOPY

LIBS TECHNIQUE

Together with the LIBS technique, the handheld Rigaku KT-100S performs spectral analysis with its proprietary algorithm to match against an on-board alloy library.

?



¢





The KT-100S moves across the surface of the sample in order not to continually drill into the same spot on the sample.



The beam size is approximately 50 µm and travels 3.5 mm.



Magnification (200X) of ablation by the KT-100S handheld LIBS. Material is .11" diameter wire of 304SS.



Rigaku

WHY LIBS?



- Suitable for analyzing all metal alloy bases
- Minimal sample preparation (compared to some spectroscopic techniques)



- Minimally destructive
- Full element range, including Li, Be, Mg



Ruggedized to withstand the harshest environments



- No X-ray licensing regulations
- Recognized by API RP 578



RIGAKU ANALYTICAL DEVICES, INC. 30 Upton Drive, Suite 2, Wilmington, MA, 01887 T +1 (855) 785 1064 | F +1 (781) 328 0119 handhelds@rigaku.com | rigakuanalytical.com