

# From Eye to Insight

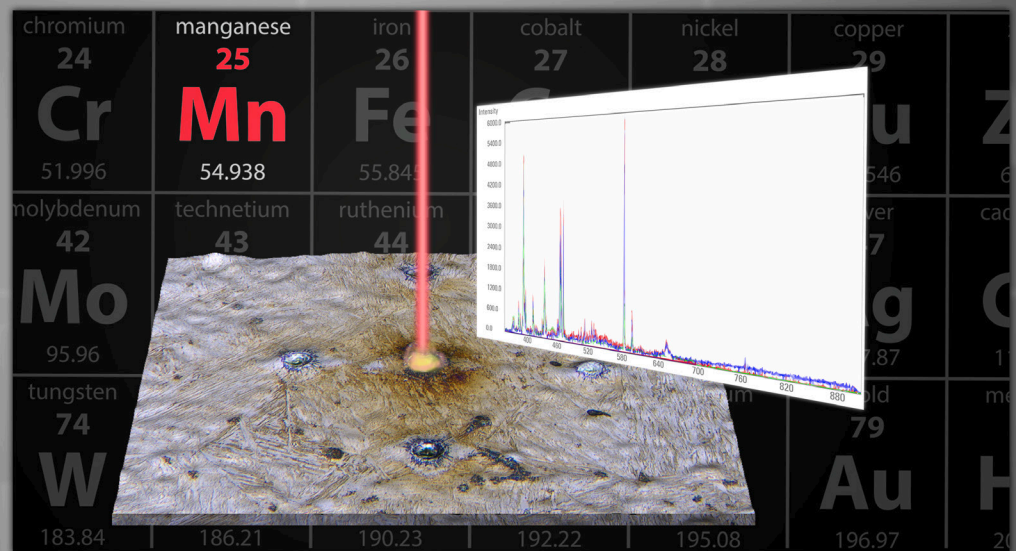
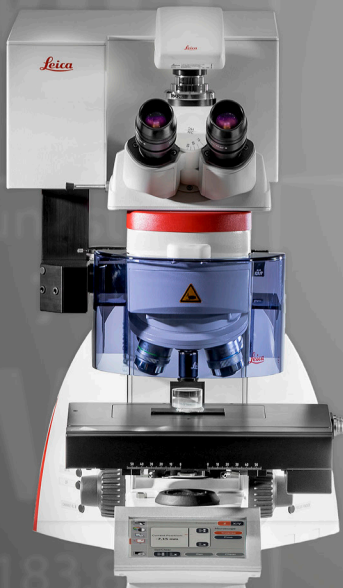
**Leica**  
MICROSYSTEMS

**2** systems in 1 for visual & chemical analysis

**1** second to a chemical fingerprint

**0** sample preparation

**Done!**



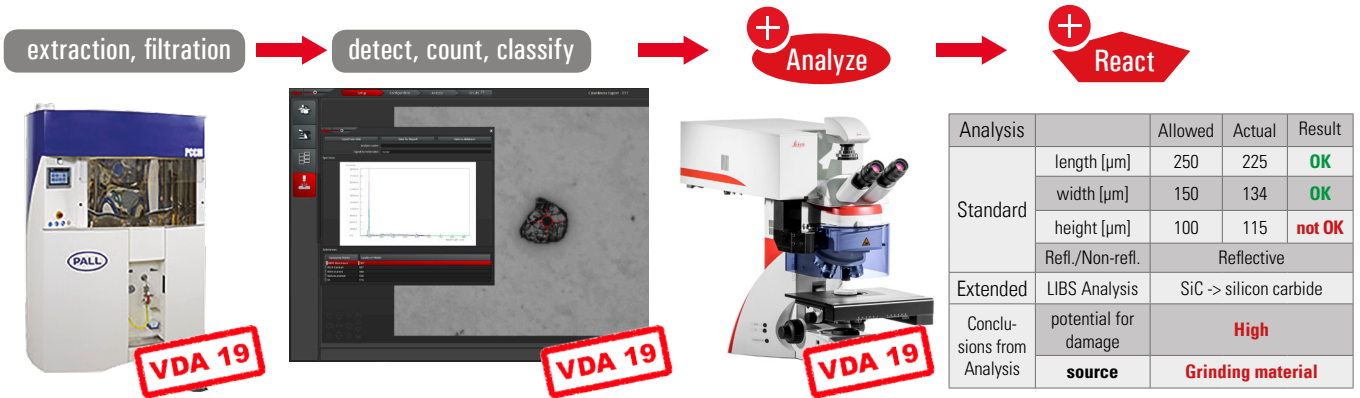
DM6 M LIBS technical cleanliness solution

## SAVE 90% OF YOUR TIME WHILE COMPLYING WITH VDA19

The combination of your Leica Microscope and LIBS provides visual inspection and chemical analysis right at your fingertips: within a few seconds! The particle can be detected by image analysis and the material identified in one workflow step. Perform extended particle analysis in accordance with VDA19 using LIBS on an optical microscope in 90% less time compared to inspection with SEM/EDS. No risk of losing the link to the particle of interest which may happen when transferring the sample to other devices.

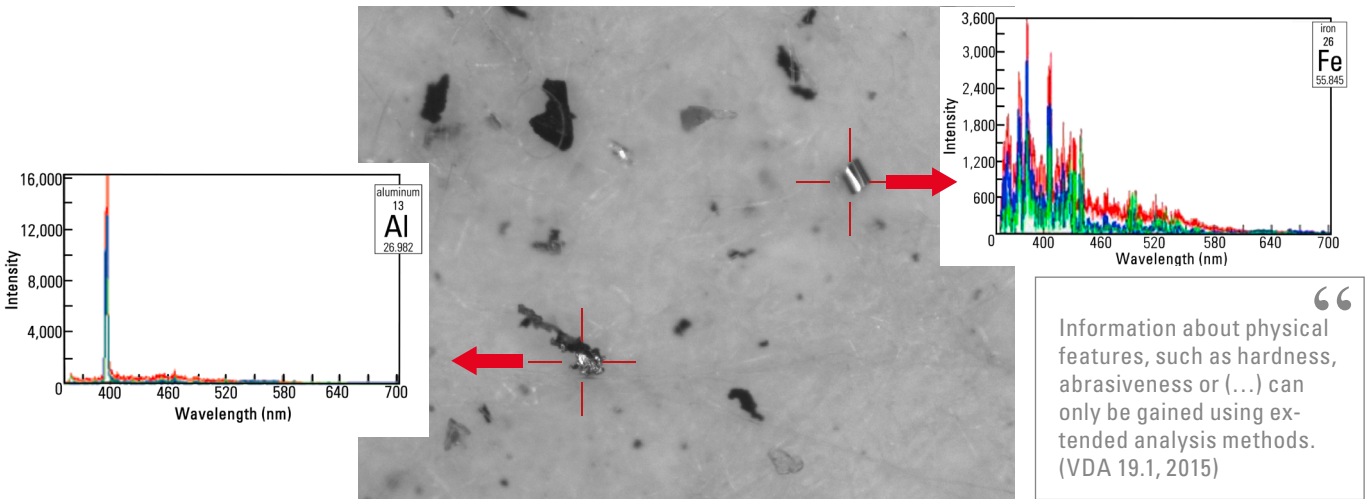
Your advantages for technical cleanliness with the DM6 M LIBS technical cleanliness solution:

- > particle analysis and identification according to VDA19;
- > reliable determination of the particle composition, so it can be traced back to the contamination source;
- > do the complete analysis in 90% less time in comparison to methods like SEM.



## Accurate testing with 90% less time expenditure

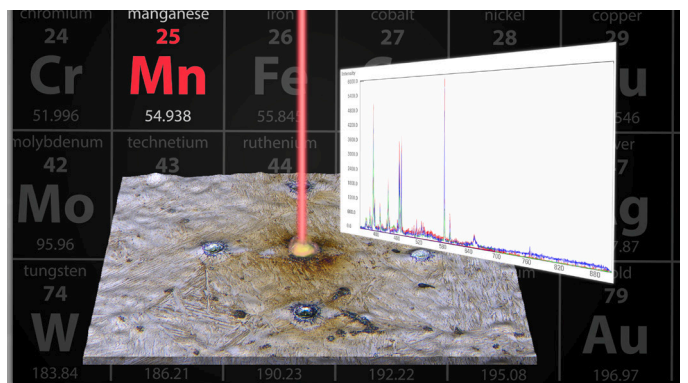
Speed up your workflow. The LIBS module turns a Leica microscope into a 1-step solution that combines visual inspection and chemical analysis right at your workspace. Determine the composition of what you have visually inspected within seconds. Use LIBS to perform advanced particle analysis in 90% less time compared to inspection with SEM/EDS.



### Analyzing with LIBS

LIBS stands for laser induced breakdown spectroscopy. A high energetic laser pulse ablates a small fraction of the sample and generates a plasma. When the plasma cools down, it emits a light of characteristic wavelength. This spectrum is then used as the chemical fingerprint of what you see in the microscope image.

The laser pulse strikes the surface and a plasma is induced



CONNECT WITH US!

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