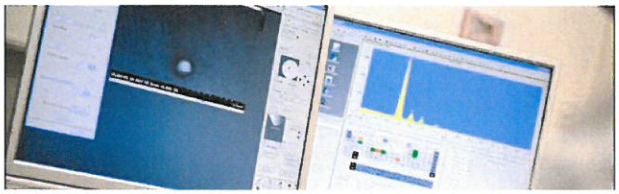
Chronofiable®

Laboratoire Dubois

Observations and analyses by Scanning Electron Microscopy

ANALYSES CHIMIQUES
CONTRÔLE DES MATÉRIAUX
ASSISTANCE TECHNICO-LÉGALE
CONTRÔLES HORLOGERS ET MICROTECHNIQUES



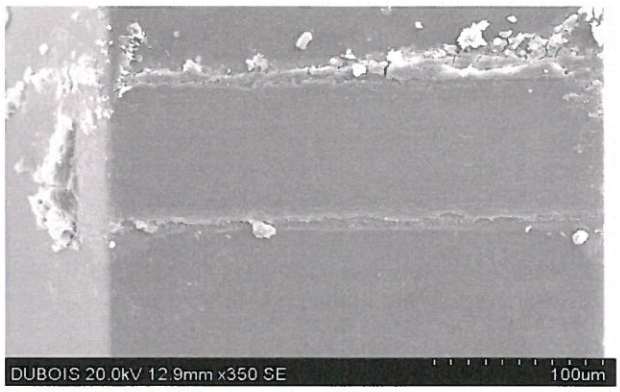
Our laboratory has built up nearly 20 years of experience in scanning electron microscopy. Our current instrument, a variable pressure model, is equipped with a latest-generation energy dispersive spectrometer. Particularly suitable for surface observations, it enables local or overall analysis of a vast range of inorganic materials.

Some application examples:

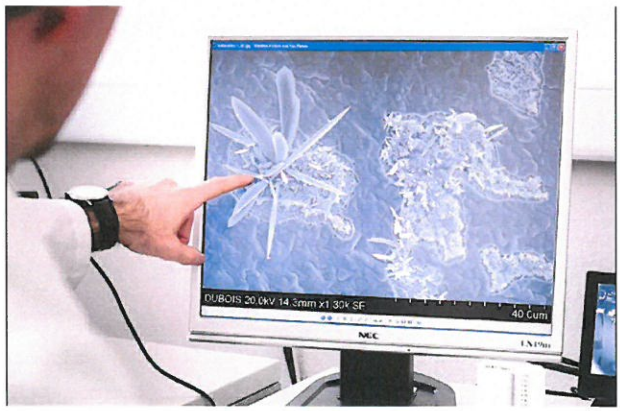
- Fractography
- Nature and thickness of thin coatings
- Composition, profile and X-ray mapping analyses
- Nature and quantification of phases and constituents

An ideal complement to optical microscopy, this technology is particularly well-suited for mechanical failure investigations, wear observations, and detecting inorganic contamination.

Contact zone, escapement exit pallet.



Silver sulphide needles on the surface of a dial.



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