

ISO 4407
SAE ARP598
Compliant



V4L-4-Site Macro-2-Micro Technology

With FilterPatchScan Software

Perfect for on-site maintenance checks:

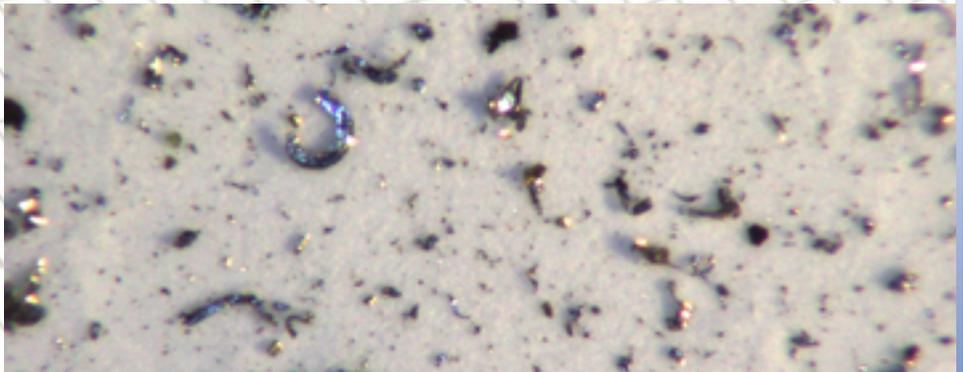
*.... use straight from the case
.... no need to calibrate*

Perfect for analysing:

*.... Petroleum based fluids
.... Synthetic fluids and water glycol
.... Dirty fluids including diesel oil*

**UNIQUE 'PLUG-AND-PLAY'
SOFTWARE AND HARDWARE
PACKAGE OFFERING:**

- Particle sizing and counting down to 4 microns
- ISO 4407 and SAE ARP598 compliance
- ISO 4406, NAS 1638 and SAE AS 4059 cleanliness codes
- Wide range of magnifications [x20,x500] in a single instrument
- Sharply focused images showing both macroscopic and microscopic particles at the same magnification
- Rugged and suitable for on-site use



V4L is a world leader in wear debris particle analysis R&D and has developed **Macro-2-Micro** imaging technology, which optimises the lateral and axial resolution available at the magnifications and resolutions required to reproduce images in an electronic form. Images are generated in which the depth of focus and field of view are ideal for viewing both macroscopic and microscopic particles at the same magnification for particle sizing and counting and at high resolution for wear debris mode analysis.

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Macro-2-Micro Technology

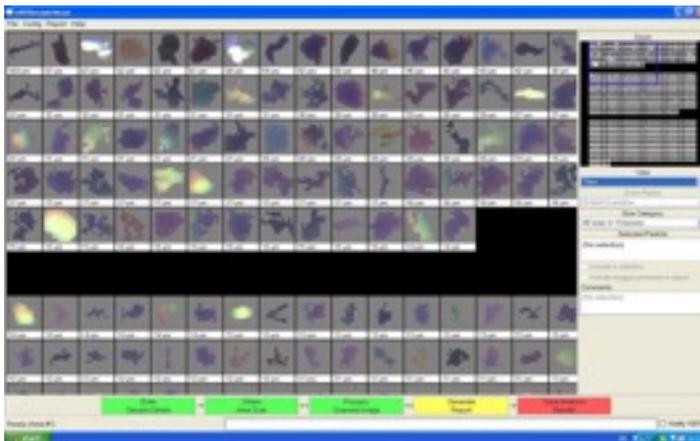
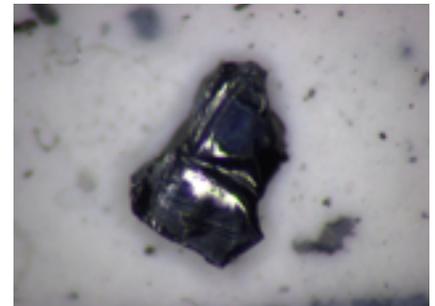
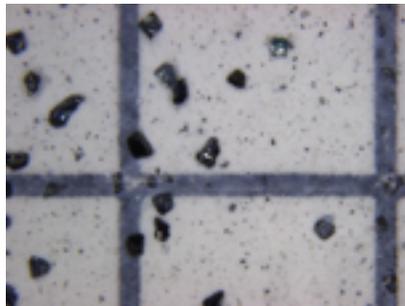
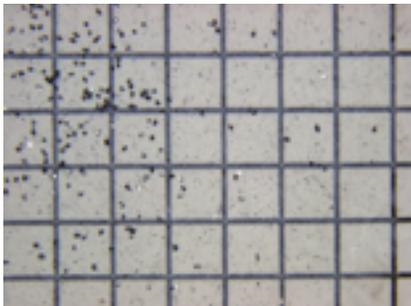
Offers a Wider Range of Magnifications than a Conventional Microscope

x20 on-screen magnification allows a quick scan of the entire filter patch. An essential time saver when analysing hydraulic fluid where just a few large particles, easily visible at this magnification, can mean the sample exceeds its cleanliness alert level.

x150 on-screen magnification at which FilterPatchScan software automatically sizes and counts particles down to 4 microns.

Macro-2-Micro Technology allows both macroscopic and microscopic particles to be sized and counted at the same magnification.

x500 on screen magnification allows the user to see surface texture that is essential for wear debris mode analysis. An important diagnostic tool in the aerospace industry where particles from magnetic plugs are routinely analysed to determine the safety and serviceability of aircraft.



**FilterPatchScan Macro-2-Micro
unique hardware/software combination**

*Lets the user see what
the eye alone cannot*

*for example temper colours that are
A Vital Early Warning of Heating
caused by metal to metal contact due to
Lubrication Starvation or
Severe Sliding Adhesive Wear or
Misalignment*