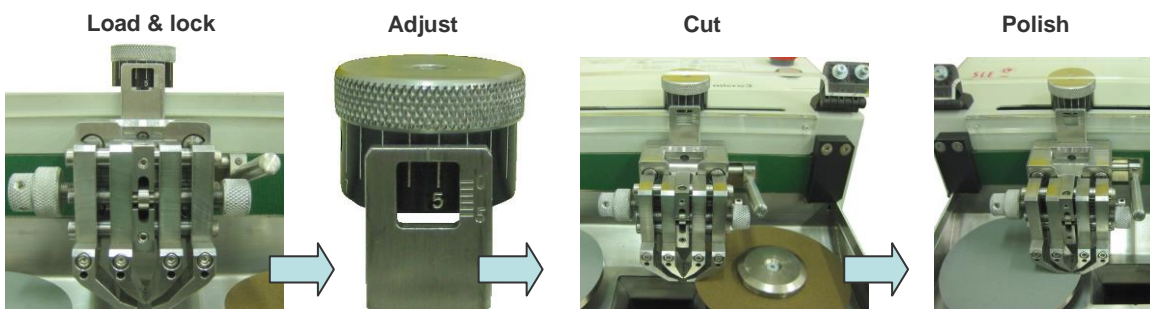
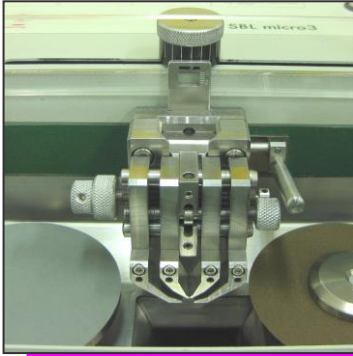


SBL micro3 – a compact and user friendly portable micrograph lab, all-in-one combined with AUTOMATIC cutting + polishing module, reduce processing time to cater for the ever increasing quality demand. Stand alone Etching module and full size Imaging module that gives high quality imaging results for a clearer, more accurate cross-section analysis through X5 vision – Evaluation & Documentation module.

easy steps... Let SBL micro3 do the job!



MICROGRAPH LABORATORY - SBL micro3
EASY TO USE, FAST and RELIABLE



AUTOMATIC CUTTING & POLISHING

- Successor to the SBL micro2. The SBL micro3 performs FASTER in speed, BETTER in results and LARGER in cross-sectioning range.
- Combined in one module to save on handling time.
- Equipped with SBL-3000 style double claw sample holder to secure wider range of crimps and better perpendicularity alignment.
- No more manual polishing operation coz it is AUTOMATED, with guaranteed polishing results.



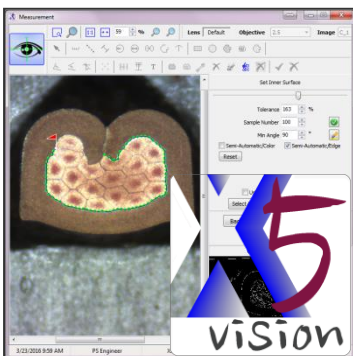
ETCHING

- After the cutting and polishing process, the surface of the sample can be treated using the etching pen of the Electrolyte Etching module, creating a clear outline with good separation of the crimp barrel and the single strands.
- In contrary to common etching methods, the Electrolyte Etching fluid does not use aggressive chemicals. It is environmentally-friendly and safer than traditional methods.



IMAGING

- Standard lab size microscope for visual and analysis of cross sectional image of crimped connection.
- Comes with calibration glass ruler for periodic calibration or verification of the measuring system.



EVALUATION + DOCUMENTATION

- X5 vision software package, measuring according to international norms required by automotive industry.
- Guided measurement Wizards with image hint to guide users in making correct measurements.
- Embedded Contact Inspection analyses with selectable norms (VW 60330, Renault 36-05-019/--G, PSA 9634115099).
- Connects with pull testers and micrometers to obtain pull force and crimp with / crimp height measurements.
- Customizable report templates.

Technical Specifications:

Cutting Module

- Range: 0.13mm² to 30.00mm² (Ø 0.50mm - Ø 6.00mm)
- Speed: 2500 rpm
- Feed rate: ~0.6mm/sec
- Cutting Wheel: ID-16mm, OD-100mm, Thickness-0.5mm

Polishing Module

- Speed: 2500 rpm
- Feed rate: ~6mm/sec
- Z adjustable range for grinding 0.0mm – 5.0mm
- Adhesive sand paper OD-100mm

Etching Module

- Electrolyte process
- Processing time: 5 to 30 seconds

Imaging Module

- High Quality Monocular Scope, c/w standard 10x Eyepiece
- Magnification range 0.75x, 1x, 1.5x, 2.0x, 2.5x, 3.0x, 3.5x, 4.0x, 4.5x, 5.0x
- Steps indentation on 1x, 2x, 3x, 4x, 5x
- Field Of View from 1.2mm to 8.2mm (X-direction)
- Adjustable illumination with 4x Segmented super bright white LED

Evaluation & Documentation Module

- 1.3MP or 3.1MP USB 2.0 camera with X5 vision software
- Enhanced measurement tools including compression ratio etc., in compliance with Automotive Industry requirement

Power Requirement

- 230 VAC, 50Hz, 300 Watts / 110 VAC, 60Hz, 300 Watts

Dimension & Weight

- Weight: approx. 30 kg
- Size: 490mm (L) x 340mm (W) x 340mm (H)

- Specification is subject to change without prior notice.

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CUSTOMER SATISFACTION**