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certified ISO 9001 + ISO 14001

## Crimping Line

# Portable Micrograph Laboratory **Microlab ML 3002**

Portable laboratory to prepare crimp cross sections analysis



*Microlab ML 3002 in operation*

The handy case laboratory **Microlab ML 3002** facilitates the reliable processing of microsections anywhere in the production area without electricity or water connection. It can operate with a fully charged battery for about eight hours and is assembled and ready for use in about 90 seconds!

The proven optical unit with 4x zoom and colour digital camera delivers excellent microsections which can be analyzed comfortably with the innovative image processing software **X-Scan**. The scope of delivery includes all necessary accessories like terminal holder, test pins etc.

## Performance Features

- Fully equipped laboratory in a handy case
- In about 90 seconds ready for operation
- Standard sample holder capable for cross sections up to 6 mm<sup>2</sup>
- Extension kit for sample holder for cross sections up to 10 mm<sup>2</sup> available
- Short machining time between 2 - 5 minutes
- Battery-powered, no power connection required
- Special cutting disc, appropriate also for stainless steel
- Referencing with pre-calibrated gauges
- Finish grinding with grain 1200



*Clamped microsection*



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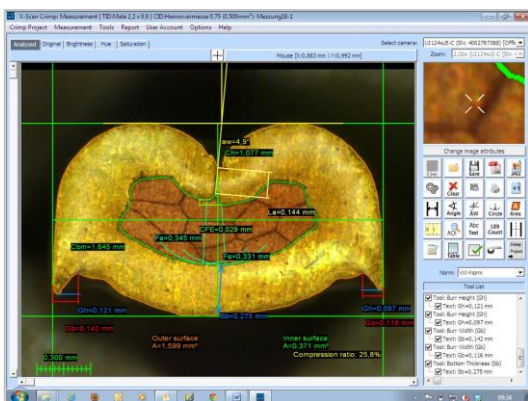


Polishing liquid free of hazardous substances



ML in rugged case made of HPX High Performance Resin

- Fully equipped micrograph laboratory in a handy case
- Flexible usage due to a powerful battery
- In about 90 seconds ready for operation
- Proven zoom objective with 4x zoom
- Digital colour camera with 1/3" CMOS chip, USB 2.0, resolution 1280 x 1024 pixel
- Longlife LED illumination at the microscope
- Sample holder Screwfix for cross sections up to 6 mm<sup>2</sup> (further sizes available on request)
- Suitable for small and medium contact sizes from 0.1 to 10 mm<sup>2</sup>
- Appropriate tool set for sample preparation
- 5 calibration gauges in gas-tight base incl. calibration certificates
- Polishing of the cross section with acid free electrolyte
- Cross-sectioning of the sample can be carried out without any disturbance of the terminal and cable stranding
- With comfortable analysis software X-Scan



PC Software X-Scan

## Technical Data

- |                         |  |
|-------------------------|--|
| • Power supply          | Battery-powered 12 V / 3.6 Ah  |
| • Fine polishing        | electro chemical   |
| • Camera resolution     | 1280 x 1024 pixel  |
| • Camera connection     | USB 2.0 port   |
| • Optics                | High-grade 4x video zoom optics with high image accuracy                 |
| • Illumination          | Long-living LED light source for colour-fast illumination > 50 000 hours |
| • Cross section sizes   | 0.1mm <sup>2</sup> - 10mm <sup>2</sup> (AWG 28 – AWG 10)                 |
| • Dimension (L x W x D) | 488 x 386 x 185 mm   |

Weight 14 kg complete with the case