

"Your monitoring specialist"
certified ISO 9001 + ISO 14001



Crimping Line

Portable Micrograph Laboratory **Microlab ML3002**

Portable laboratory to prepare crimp cross sections analysis



Microlab ML3002 in operation

The handy case laboratory **Microlab ML3002** 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 mm²
- Extension kit for sample holder for cross sections up to 10 mm²
- 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 test pins
- Finish grinding with grain 1200



Clamped microsection



C-tec Cable technologies GmbH & Co.KG
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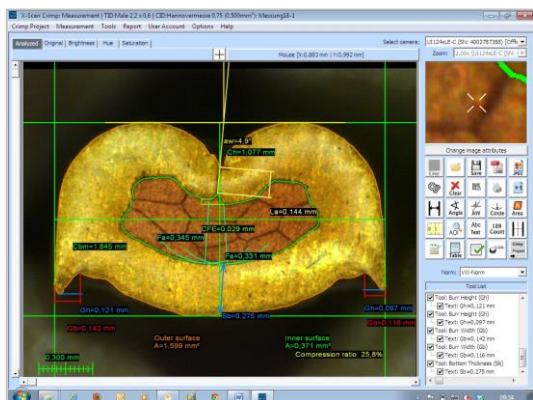


Polishing liquid free of hazardous substances



ML in rugged case made of HPX High Performance Resin

- ⊗ Fully equipped micrograph laboratory in a handy case
- ⊗ Flexible due to a powerful battery
- ⊗ In about 90 seconds ready for operation
- ⊗ Short processing time between 3-5 minutes per micrograph
- ⊗ Proven zoom objective with 4 optical zoom grades
- ⊗ Digital colour camera with 1/3" CMOS sensor, USB2.0, resolution 1280 x 1024 pixel
- ⊗ Longlife LED illumination at the microscope
- ⊗ Standard terminal holder for cross sections up to 5 mm² (further sizes available on request)
- ⊗ Suitable for small and medium contact sizes from 0.1 to 10 mm²
- ⊗ Appropriate tool set for the sample preparation
- ⊗ Software calibration based on traceable standards incl. calibration certificate
- ⊗ Fitting gas tight mount for 5 calibration gauges
- ⊗ 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
⊗ Weight	14 kg complete with the case
⊗ Dimensions (L x B x T)	488 x 386 x 185 mm
⊗ Electronic Fine Polishing	see EFP3.0
⊗ Camera	USB 2.0 Color 1280 x 1026 pixel
⊗ Optics	High-grade video zoom optics with high image accuracy
⊗ Illumination	Long-living LED light source for color-fast illumination > 50 000 hours



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