

"Your monitoring specialist"
certified ISO 9001 + ISO 14001



Crimping Line

Micrograph laboratory Microlab ML3600

Tabletop laboratory for cross-section analysis








With the Microlab you can prepare microsections of crimped contacts in a very professional and economic manner.

The Microlab product family is designed to prepare cross sections of conductor crimps and insulation crimps easily and comfortably within a few minutes. After cutting, polishing and etching of the sample, the image of the cross section can be visualized on the screen. Now a comprehensive quality check of the crimp can be performed by using the special designed image processing software X-Scan.

The Microlab ML3600 is the ideal tool to conduct quality tests in a quick and economic way. The proven 4x zoom optic is easy to use and delivers very good microsections. For the analysis you use the innovative and comfortable image processing software X-Scan which of course fulfills all relevant DIN standards and OEM specifications. Automatically generated records can be used as proofs of quality.

Performance features

-  **Complete micrograph** laboratory integrated in a desktop board
-  Excellent optic with **4x zoom objective**
-  **Superior digital color camera** with 1/3" CMOS Sensor and 1,3 megapixel resolution
-  Well suited for cross sections from **0.1 to 10 mm²** (AWG 28 – AWG 10)
-  Comfortable analysis **software X-Scan**



Quality Management
ISO 9001
www.dekra-seal.com

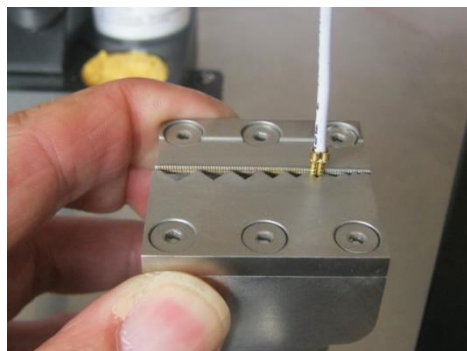
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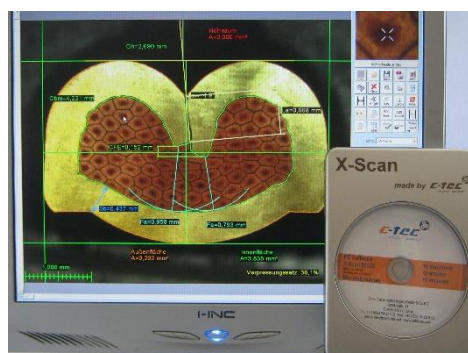


Environmental Management
ISO 14001
www.dekra-seal.com

Crimping Line



Terminal holder



Finished microsection with X-Scan

Performance features in detail

- ⊗ **Complete system** which is ergonomically and functionally integrated in a desktop board laminated with stainless steel
- ⊗ Proven zoom objective with **4 optical zoom grades**
- ⊗ **Digital color camera** with 1/3" CMOS Sensor, USB2.0, resolution 1280 x 1024 px (1.3 Megapixel)
- ⊗ Suitable especially for small and medium contact sizes **0.1 – 10 mm²**
- ⊗ Standard terminal holder for **cross sections up to 6 mm²** (further sizes available on request)
- ⊗ Long-life **LED illumination** at the microscope
- ⊗ Energy saving **working lamp** for Cutting-/Grinding unit
- ⊗ Fitting gas-tight mount for 5 calibration gauges
- ⊗ Appropriate tool set for the sample preparation
- ⊗ With comfortable **analysis software X-Scan**
- ⊗ Compact dimensions
- ⊗ Software calibration based on traceable standards incl. calibration certificate
- ⊗ Cross-sectioning of the sample can be carried out **without any disturbance** of the terminal and cable stranding

Specifications

⊗ Type	ML 3600/EFP
⊗ Voltage supply	100 – 240 VAC 50/60 Hz
⊗ Smallest extension (15" monitor)	32x
⊗ Largest extension (15" monitor)	120x
⊗ Smallest crimp height for a full screen	1.4 mm
⊗ Largest crimp height for a full screen	5.5 mm
⊗ Measurement resolution µm per pixel	2 µm, 3 µm, 5 µm, 7 µm, 9µm
⊗ Optical zoom grades	0.75 – 1.0 – 1.5 – 2.0 – 2.5 – 3.0
⊗ Camera resolution	1280 x 1024 Pixel
⊗ Camera connection	USB 2.0 Port (Type: mini USB plug)
⊗ Object illumination	Longlife LED ring light for true to color pictures
⊗ Fine polishing	Electrochemical
⊗ Cross section sizes	0.1mm ² - 10mm ² (AWG 28 – AWG 10)
⊗ Recommended temperature	22°C +/- 5°
⊗ Dimensions (W x D x H)	1200mm x 430mm x 400mm
⊗ Weight	27 kg