

# Micrograph laboratory Microlab ML 3600-pc

Tabletop laboratory for cross-section analysis



The Microlab ML 3600-pc with integrated mini pc

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 ML 3600-pc** 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 digital colour pictures. For the analysis, you use the innovative and comfortable image processing software X-Scan which is already installed ready to use on the integrated mini pc. X-Scan 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 with built-in computer
- Excellent optic with 4x zoom objective
- Superior digital color camera USB 2.0 with 1/3" CMOS Sensor and 1.3 megapixel resolution
- Well suited for cross sections from **0.1 to 10 mm**<sup>2</sup> (AWG 28 AWG 10)
- Comfortable analysis software X-Scan



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03/2017





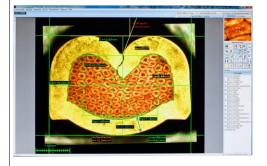
### **Crimping Line**



Integrated mini PC



Front drawer with keyboard



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
- With integrated mini PC, monitor, mouse, keyboard and license for Windows 10 prof.
- Proven zoom objective with 4 optical zoom grades
- Digital color camera with 1/3" CMOS Sensor, USB 2.0, resolution 1280 x 1024 px (1.3 Megapixel)
- Suitable especially for small and medium contact sizes 0.1 - 10 mm<sup>2</sup>
- Standard terminal holder for cross sections up to 6 mm<sup>2</sup> (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 installed ready to use
- 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
- Voltage supply
- Smallest extension (15" monitor)
- Largest extension (15" monitor)
- Smallest crimp height for a full screen
- Largest crimp height for a full screen
- Measurement resolution µm per pixel
- Optical zoom grades
- Camera resolution
- Camera connection
- Object illumination
- Fine polishing
- Cross section sizes
- Recommended temperature
- Dimensions (W x D x H)
- Weight

ML 3600-pc

100 - 240 VAC 50/60 Hz

32x

120x

1.4 mm

5.5 mm

2 μm, 3 μm, 5 μm, 7 μm, 9μm

0.75 - 1.0 - 1.5 - 2.0 - 2.5 - 3.0

1280 x 1024 Pixel

USB 2.0 port

Longlife LED ring light for true to color pictures

Electrochemical

0.1mm<sup>2</sup> - 10mm<sup>2</sup> (AWG 28 - AWG 10)

22°C +/- 5°

1200mm x 430mm x 400mm

27 kg

ISO 9001

Quality Management

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Environmental Management ISO 14001

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