



MICROLAB 10

quality tools



komax WIRE

MICROLAB 10

The MicroLab 10 enables micrographs to be taken quickly and easily regardless of the location. It covers all relevant processing steps – from cutting and polishing to etching and visualization. The compact carry-case design enables the quality of crimp and splice connections to be assessed with minimum effort and maximum effectiveness.

Quick and efficient, regardless of location

- Compact and complete mobile micrograph laboratory in a carry-case
- Simple, intuitive usage
- Short processing time and rapid creation of images
- Precise evaluation of images using Smart Vision software

Equipped for all processing steps

- Cutting up to 5 mm²
- Polishing at 20'000 rpm.
- Etching up to 5 mm²
- Visualization and evaluation



Technical data

Processing range	Ø 0.3 – 2.5 mm
Cross section range	up to 5 mm ²
Voltage supply	230 VAC, 50 Hz, 300 Watt
Dimensions (L x B x H)	500 x 360 x 450 mm
Weight	approx. 20 kg

QUALITY ASSURANCE

COMPACT AND MOBILE



Compact, smart and reliable

Available in a portable carry-case, the compact MicroLab 10 is designed for contacts and conductors of up to 2.5 mm in diameter.

The samples can be quickly clamped in the holder – no re-clamping for all processing steps. The laboratory's components include autonomous, independent preparation, evaluation and documentation modules. A complete on-site analysis can therefore be performed within a short period of time. A USB digital camera with a microscope is integrated into the lab for visualization purposes and to ensure complete documentation. The user-friendly, intuitive SmartVision software allows the user to analyze the images quickly and precisely.

The mobile MicroLab 10 requires virtually no maintenance.

Quick, mobile quality assurance

Conclusive micrographs can be taken at any time on a random basis, thereby enabling quality defects to be detected and preventing expensive breakdowns. The mobile design of the MicroLab 10 means that production approval decisions can be made on-site without delay. The measurements can be analyzed with the integrated software SmartVision.

SmartVision

The optimum software for micrograph analysis is integrated as standard

- photograph
- measure
- evaluate
- document



01

01
Furnishing materials and tool
integrated into kit



02

02
Manual cutting and polishing
in a compact design

Komax Wire – industry leader today and in the future

As the pioneer and market leader in the field of automated wire processing, Komax Wire provides its customers with innovative and sustainable solutions for any situation that calls for precise contact connections. Komax Wire manufactures machinery and equipment for various industries, catering for every conceivable degree of automation and customization. Its range of quality tools, test systems and intelligent networking solutions complete the portfolio, and ensure safe and efficient production. The Swiss company, which has operations all over the world, develops and manufactures its products at various locations. Its extensive distribution and service network supports customers locally in more than 50 countries through standardized service processes, while ensuring the ongoing availability and value of these customers' investments once the equipment has been put into operation. The Swiss company Komax Wire is part of the international Komax Group, which employs approximately 1500 people.



Market segments

Komax Wire offers outstanding competence and solutions for various areas of application and draws on them to generate the desired value-added for the entire process and optimize economic efficiency in line with customer requirements. The main markets of Komax Wire are as follows: automotive, aerospace, industrial and telecom & datacom. With this breadth of experience, customers obtain expert knowledge for process optimization and access to the latest technologies.



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