



MICROLAB 10

quality tools



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 terminal diameter 2.5 mm
- Polishing at 20'000 rpm.
- Etching up to terminal diameter 2.5 mm
- Visualization and evaluation



Technical data

Processing range (max. terminal Ø)	0.3 – 2.50 mm (corresponds to approx. 0.08 – 5.0 mm ²)
Voltage supply	230 VAC, 50 Hz, 300 Watt
Dimensions (L × B × H)	500 × 360 × 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 optimal software for micrograph analysis, which includes photography, measurement, evaluation and documentation, is integrated as standard.



01
Furnishing materials and tool
integrated into kit



02
Manual cutting and polishing
in a compact design

Komax – leading the field now and in the future

As a pioneer and market leader in the field of automated wire processing, Komax provides its customers with innovative and sustainable solutions for any situation that calls for precise contact connections. Komax manufactures series and customer-specific machinery for various industries, catering for every 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. Komax is a globally active Swiss company with development and production facilities on several continents. It supports customers locally in more than 60 countries with its extensive distribution and service network, ensuring the availability and value of their investments after equipment commissioning through standardized service processes. Komax includes more than 30 companies worldwide and employs around 1700 members of staff.

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YEARS
CUTTING
EDGE

Market segments

Komax 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 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.



Komax AG
Industriestrasse 6
CH-6036 Dierikon
Phone +41 41 455 04 55
Fax +41 41 450 15 79

komax
komaxgroup.com