



MICROLAB 55

quality tools



komax

MICROLAB 55

Seamless quality control is becoming an ever important factor in competition. Micrographs are indispensable in the release of new crimp terminals and tools. The highly flexible and modular MicroLab 55 micrograph laboratory is a central part of modern quality engineering.

Highly flexible and functional

- Reproducible sample preparation
- No re-clamping of sample necessary
- Wet cutting and wet polishing processes for increasing the service life and for binding abraded material and dirt
- Sample can be aligned perpendicular to the cutting axis
- Motorized polishing for reproducible results

Modular across the whole breadth

- Processes cable up to terminal diameter 30 mm (Optional: Supplementary lens to depict measured objects > 8 mm)
- Short processing time of 3–5 minutes
- Flexible, can be expanded to meet current needs
- Designed for the most versatile application ranges
- Precise optics and high-resolution cameras for the given use case
- Highly flexible in terms of configuration



MODULAR AND FLEXIBLE QUALITY CONTROL FOR ALL TYPES OF CRIMPS



Technical data

Processing range (max. terminal Ø)	0.5 – 30.0 mm (corresponds to approx. 0.08 – 400 mm ²)
Specific option	Larger diameters
Max. rectangular contour (e.g. IDC connector)	30 × 60 mm
Voltage supply	100–240 V AC, 50/60 Hz
Dimensions (L × W × H)	2000 × 800 × 850 mm
Weight	About 240 kg

Versatile for every application

The MicroLab 55 micrograph laboratory is designed for the most versatile application ranges and is ideally suited for this purpose. It enables micrographs to be produced for all types of crimps available on the market – both transverse section and longitudinal section. The above applies also to products such as PCBs or housings from outside the automotive sector. Extremely short processing times can be achieved thanks to the optimum arrangement of the individual modules. Reproducible sample preparation is guaranteed to be perfect because the sample does not have to be re-clamped between the individual processing steps. The laboratory can be set up and used as a sit as well as stand workstation thanks to its ergonomically ingenious design.

SmartVision – the perfect software

The optimal software for micrograph analysis, which includes photography, measurement, evaluation and documentation, is integrated as standard.

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. Komax uses its extensive distribution and service network, which includes local companies and their employees, to support customers across the world on site, thus ensuring the availability and value of their investments after equipment commissioning through standardized service processes.

40
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.

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