



MICROLAB 55

quality tools



komax WIRE

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 \varnothing 30mm (and even more as an option)
- 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	Ø 0.50 mm – Ø 30.00 mm
Specific option	Larger diameters
Cross section range	0.08 mm ² – 400 mm ²
Max. rectangular contour (e.g. IDC connector)	30 × 60 mm
Voltage supply	110 – 230 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 optimum software for micrograph analysis

- photograph
- measure
- evaluate
- document

Available as an option.

Komax Wire – industry leader today and in the future

As the pioneer and market leader in automatic wire processing, Komax Wire supplies its customers with innovative solutions fit for the future in all areas calling for precise terminal connections. Standardized and customer-specific machines are supplemented by various processing modules, individual application parts as well as suitable software and interfaces to achieve safe, efficient production. Development and production are carried out within the globally active Swiss company at different locations. A comprehensive sales and service network supports customers with standardized service processes in more than 50 countries locally on site, ensuring the availability and sustainable value of their investments after commissioning. The Swiss company Komax Wire is part of the globally operating Komax Group with about 1,500 employees.



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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