



# MICROLAB 30

quality tools



komax MICROLAB 30

komax WIRE

## MICROLAB 30

Quick, reliable quality control is an important factor in competition. Micrographs are indispensable in the release of new crimp terminals and tools. The MicroLab 30 micrograph laboratory is a part of modern quality engineering.

### Beneficially handy

- No re-clamping of sample necessary
- Subsequent polishing option
- Reproducible sample preparation
- Minimal maintenance

### Mobile and automatically fast

- Creates micrograph up to  $\varnothing$  10 mm
- Fully automatic and independent of user
- Includes preparation, evaluation and documentation modules for complete on-site analysis
- Very short processing times of less than 30 seconds

## MOBILE AND SIMPLE QUALITY CONTROL



### Technical data

Processing range	$\varnothing$ 0.50 mm – $\varnothing$ 10 mm
Cross section range	0.08 – 80 mm <sup>2</sup>
Voltage supply	110 – 230 V AC, 50/60 Hz
Dimensions (L x W x H)	500 x 450 x 350 mm
Weight	About 35 kg



### Smart and user-friendly

MicroLab 30 is designed for creating micrographs of terminals up to a diameter of 10mm. Processing can be done in less than thirty seconds thanks to the intuitive control system and the optimized arrangement of the cutting and polishing module. An integrated line laser simplifies the determination of the microsection position. The autonomous preparation, evaluation and documentation modules that are part of the lab operate independently of each other and enable a complete on-site analysis. A standardized holder positions the sample without having to re-clamp it.

### Reliability in perfection

The concentric arrangement of the saw blade and polishing wheel enable an optimum process sequence. Reproducible micrograph preparation is assured by the two step motors that serve as a multi-axial feed control system. The mobile MicroLab 30 requires very minimal maintenance.

### Smart Vision

The optimum software for micrograph analysis

- photographs
- measures
- evaluates
- documents



**01** With its readily understandable display, the MicroLab is easy to operate.

**02** The line laser simplifies positioning.

**03** The concentric arrangement of the saw blade and polishing wheel enable an optimum process sequence.



01

02

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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