



# MICROLAB 30

quality tools



*komax*  
MicroLab 30

**komax**

## 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 terminal diameter 10 mm (Optional: Supplementary lens 0.5x to depict measured objects > 8 mm)
- Fully automatic and independent of user
- Includes preparation, evaluation and documentation modules for complete on-site analysis
- Very short processing time (Approx. 30 seconds)

## MOBILE AND SIMPLE QUALITY CONTROL



### Technical data

Processing range (max. terminal Ø)	0.50 – 10.00 mm (corresponds to approx. 0.08 – 80 mm <sup>2</sup> )
Voltage supply	100 – 240 V AC, 50/60 Hz
Dimensions (L × W × H)	500 × 450 × 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. You can ensure optimal preparation of the sample for the subsequent etching process thanks to the combined cutting and grinding process. 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 optimal software for micrograph analysis, which includes photography, measurement, evaluation and documentation, is integrated as standard.



01



02



03

**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.

## 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.



### 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.**

**40**  
**YEARS**  
CUTTING  
EDGE

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