



# MICROLAB 35

quality tools



**komax** WIRE

## MICROLAB 35

Seamless quality control is becoming an ever important factor in competition. Micrographs are indispensable in the release of new crimp terminals and tools. The MicroLab 35 micrograph laboratory is a central part of modern quality engineering.

### Quickly in the know

- Creates micrograph up to  $\varnothing$  3 mm
- Short throughput time of about 90 seconds for cutting and polishing
- Precise orientation of inspection position thanks to line laser
- Automatically adjusted feed for the cutting and polishing process
- Cycle time can be reduced when multiple samples are processed at the same time

### Perfect in terms of handling

- Reproducible positioning and sample preparation
- User has no influence over cutting and polishing the sample
- Wet cutting and wet polishing processes for increasing the service life and for binding abraded material and dirt
- Micrograph always in focus
- No re-clamping of sample necessary

## QUICK AND RELIABLE QUALITY CONTROL



### Technical data

Processing range	$\varnothing$ 0.3 mm – $\varnothing$ 3 mm
Cross section range	0.08 mm – 6.00 mm <sup>2</sup>
Polishing strips	$\varnothing$ 200 mm, 9 micron
Saw blade	$\varnothing$ 50 mm x 0.5 mm HM
Voltage supply	230 V AC, 50/60 Hz
Dimensions (L x W x H)	1100 x 320 x 485 mm
Weight	About 90 kg



### Automated precision

MicroLab 35 is designed for the quick creation of micrographs of terminals up to a diameter of 3 mm. The processing time is short thanks to the fully automatic transport system and the reliable technology. The parallel processes allow one micrograph per minute to be created on a continuous basis. The sample is clamped in place quickly with laser support, so the inspection position is determined precisely. There is no re-clamping of samples – the MicroLab 35 cuts and polishes the samples automatically. As soon as the samples arrive at the evaluation unit, they undergo electrolytic cleaning – the micrograph is taken and evaluated.

### SmartVision – the perfect software

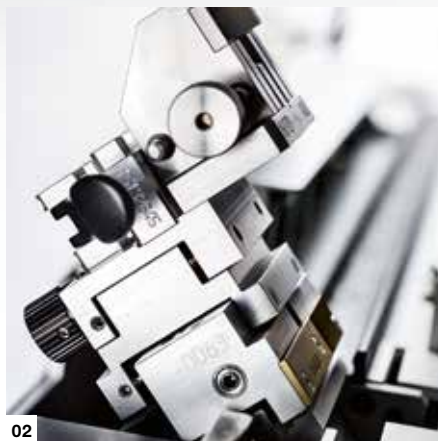
The optimum software for micrograph analysis

- photograph
- measure
- evaluate
- document

Available as an option.



01



02



03

**01**  
The line laser simplifies positioning.

**02**  
No re-clamping of sample necessary.

**03**  
Parallel processes allow one micrograph per minute to be produced on a continuous basis.

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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