



MICROLAB 35

quality tools



komax

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 (max. terminal \varnothing)	0.3 – 3.0 mm (corresponds to approx. 0.08 – 6.0 mm ²)
Polishing strips	\varnothing 200 mm, grain size 9 micron
Saw blade	\varnothing 50 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

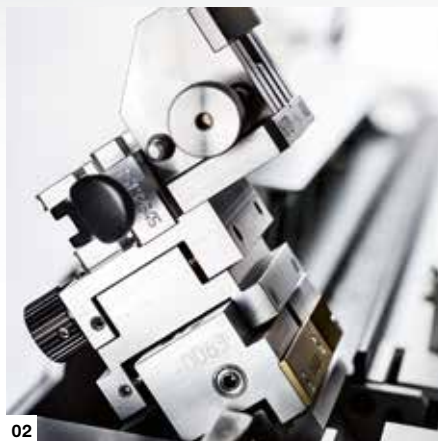
MicroLab 35 is designed for the quick creation of micrographs of terminals up to a terminal diameter of 3 mm. The processing time is short thanks to the fully automatic transport system and the reliable technology. The parallel processes allow one micrograph per minute to be created on a continuous basis. 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 optimal software for micrograph analysis, which includes photography, measurement, evaluation and documentation, is integrated as standard.



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 – 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. It supports customers locally in more than 60 countries with its extensive distribution and service network, ensuring the availability and value of their investments after equipment commissioning through standardized service processes. Komax includes more than 30 companies worldwide and employs around 1700 members of staff.

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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