



MICROLAB 35

quality tools



komax

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The complete assurance of quality is one of the most important competitive factors, whereby the creation of micrographs during production is indispensable.

The micrograph laboratory MicroLab 35 is an essential component within the modern quality management engineering.

Ingenious concept for special uses

- Automatic feed for serial quality inspection
- Precise adjustment of the cutting surface thanks to microscope for magnification and line laser
- Integrated etching unit and magnification module

Durable and fast

- Wet cutting and grinding processes increase the lifetime of wear parts
- Parallel work with several samples (two operators) possible

FAST AND RELIABLE QUALITY ASSURANCE



Technical data

Processing area (max. sample-Ø)	0.5 – 3.0 mm (corresponds to approx. 0.08 – 6.0 mm ²)
Field of application	B-crimp
Materials	copper
Volume	large quantities
Power supply	230 V, 50/60 Hz
Dimensions (L×W×H)	1100 × 320 × 485 mm
Weight	90 kg
Optical module	
Resolution	1.3, 2.1 or 6.4 megapixels
Object size	max. 6.0 × 5.0 mm

Automated precision

MicroLab 35 is designed for the quick creation of micrographs of samples with a diameter up to 3 mm.

The fully automatic transport system and the proven technology enable a short processing time. The parallel processes allow the continuous creation of micrographs. Fast and laser-based – the sample can be clamped quickly and the cutting surface is precisely determined by laser. Without re-clamping, the MicroLab 35 cuts and grinds the sample automatically.

SmartVision – the ideal software

The ideal software for the analysis of a micrograph, which includes features such as capturing, measuring, evaluating and documenting images is integrated as standard.



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02



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- 01 The line laser makes the positioning easier.
02 No re-clamping of the sample necessary.
03 Continuous generation of micrographs due to parallel processes.

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.

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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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