



MICROLAB 55

quality tools



MICROLAB 55

The gapless assurance of quality is becoming increasingly important as a competitive factor. When releasing new crimp contacts and tools, microsections are indispensable. The highly flexible, modular MicroLab 55 micrograph laboratory is a central component in modern quality engineering.

Versatile for every application

The MicroLab 55 micrograph laboratory has been designed for a wide range of applications and is ideally suited for this purpose. It enables the generation of micrographs of all types of crimps available on the market – both transverse and longitudinal. This also applies to products such as circuit boards or housings outside the automotive sector. Due to the optimal arrangement of the individual modules, very short processing times can be achieved. The reproducible sample preparation is perfectly guaranteed, since no reclamping of the sample between the individual processing steps is necessary.

Thanks to its ergonomic design, the laboratory can be used both as a seat and as a standing workstation.

Highly flexible and functional

- Wide range of applications
- A laboratory for various crimp contacts
- No need to reclamp the sample
- Wet-cutting and grinding processes increase the lifetime of wear parts
- Modularly expandable
- Largest processing area

MODULAR AND FLEXIBLE QUALITY CONTROL FOR ALL TYPES OF CRIMPS



Technical data

Processing area (max. contact-Ø)	0.5 – 30.0 mm (corresponds to approx. 0.08 – 400 mm²)
Field of application	B-crimp / ML-crimp / HEX-crimp / IDC-connector / etc.
Materials	copper / aluminium
Volume	small to medium quantities
Power supply	100 - 240 VAC, 50/60 Hz
Performance	700 VA
Dimensions (L x W x H)	2000 x 800 x 850 mm
Weight	240 kg

SmartEtch

- Self-adaptive, no settings required
- Avoid loss of wearing parts due to the integrated storage compartment
- Universal use, both for copper and aluminium samples

Power supply	100 - 240 VAC, 50/60 Hz
Dimensions (L x W x H)	150 x 142 x 70 mm

SmartOptic

- Easy handling
- Fast image capture due to digital zoom
- All-in-one device with integrated lighting
- Wide range of applications
- High quality images
- High measuring accuracy
- Realistic colours

Resolution	18 megapixels
Sensor type	C-MOS
Zoom levels	1
Zoom type	digital
Object size (standard)	max. 13 x 10 mm
Object size with additional objective (optional)	max. 45 x 34 mm

01/02

The intuitive stand-alone modules SmartEtch (1) and SmartOptic (2) ensure perfect cleaning and image capturing of the samples.



01



02

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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