MICROLAB
55
quality tools
Highly flexible and functional
– Reproducible sample preparation
– No re-clamping of sample necessary
– Wet cutting and wet polishing processes for increasing the service life and for binding abraded material and dirt
– Sample can be aligned perpendicular to the cutting axis
– Motorized polishing for reproducible results

Modular across the whole breadth
– Processes cable up to terminal diameter 30 mm (Optional: Supplementary lens to depict measured objects > 8 mm)
– Short processing time of 3–5 minutes
– Flexible, can be expanded to meet current needs
– Designed for the most versatile application ranges
– Precise optics and high-resolution cameras for the given use case
– Highly flexible in terms of configuration

MICROLAB
55

Seamless quality control is becoming an ever important factor in competition. Micrographs are indispensable in the release of new crimp terminals and tools. The highly flexible and modular MicroLab 55 micrograph laboratory is a central part of modern quality engineering.
VERSATILE FOR EVERY APPLICATION

The MicroLab 55 micrograph laboratory is designed for the most versatile application ranges and is ideally suited for this purpose. It enables micrographs to be produced for all types of crimps available on the market – both transverse section and longitudinal section. The above applies also to products such as PCBs or housings from outside the automotive sector. Extremely short processing times can be achieved thanks to the optimum arrangement of the individual modules. Reproducible sample preparation is guaranteed to be perfect because the sample does not have to be re-clamped between the individual processing steps. The laboratory can be set up and used as a sit as well as stand workstation thanks to its ergonomically ingenious design.

SMARTVISION – THE PERFECT SOFTWARE

The optimal software for micrograph analysis, which includes photography, measurement, evaluation and documentation, is integrated as standard.

**Technical data**

<table>
<thead>
<tr>
<th>Processing range (max. terminal Ø)</th>
<th>0.5 – 30.0 mm (corresponds to approx. 0.08 – 400 mm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific option</td>
<td>Larger diameters</td>
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<tr>
<td>Max. rectangular contour (e.g. IDC connector)</td>
<td>30 × 60 mm</td>
</tr>
<tr>
<td>Voltage supply</td>
<td>100 – 240V AC, 50/60 Hz</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>2000 × 800 × 850 mm</td>
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<tr>
<td>Weight</td>
<td>About 240 kg</td>
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</table>
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.