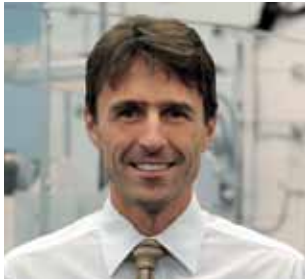


## AutomaticS and micro3 micrograph labs

High-definition micrographs in no time at all



*Micrographs are important as a criterion for quality analysis of crimp connections and for product traceability. The automaticS and micro3 labs from SLE are ideal devices for this purpose because they have short throughput times and simple automatic processes to deliver high-definition images.*

**Beat Fuchs** Product Manager

Traceability means you can tell at any time when, where and how a given product was manufactured. Quality and compliance with specifications are two key aspects in this context and vital factors for competitiveness. Micrographs serve as one of several quality criteria for crimped connections.

Micrograph labs from SLE meet production requirements because they guarantee short throughput times and deliver high-resolution images. Moreover, they cut and polish the samples automatically. With their compact design and simple operation, these labs are ideal for placing next to crimping machines so the images can be produced all the more quickly.

### Assessing and optimizing the crimping process

The micrographs can be used for more than just documentation. They are also an excellent way to assess and optimize the crimping process. The 1.3 mega pixel USB camera delivers images with a high degree of detail. This allows crimping errors such as irregular roll-up behavior or poor crimp positioning to be recognized immediately.

The positioning laser makes it easy to clamp the samples in place with great accuracy. Operating errors can be reduced to an absolute minimum for the subsequent processes since the samples no longer have to be re-clamped. An automatic feed ensures precise cutting and polishing. With the automaticS lab this process is also supported by a water and oil solution to allow images with even more detail to be made.

### SL Vision 3 image processing software

With the SL Vision 3 image processing software, the evaluation of the images becomes the actual highlight. The images are assessed and measured with the basic measurement functions distance, area and angle and with other applications. Configurable guided measurement series ensure that all dimensions are checked and in the end, the measurement is documented with a thorough report and image. Official Komax

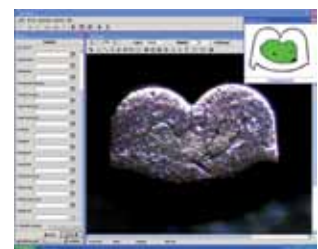
sales channels are happy to handle orders for the automaticS and micro3 micrograph labs from SLE or to provide further information.



AutomaticS



Mirco3



SL Vision 3

### YOUR BENEFITS

- > Exact analysis and fast evaluation of micrographs
- > Throughput time of about 90 seconds  
Cycle time about one image per minute thanks to parallel processes
- > Processing of conductor cross-sections of 0.08 mm<sup>2</sup> to 6 mm<sup>2</sup> (automaticS) and 0.13 mm<sup>2</sup> to 10 mm<sup>2</sup> (micro3)
- > Longer-term autonomy thanks to automatic sample feed