# MicroGraph System
## Modular System for Crimp Cross-Section Analysis

- MicroGraph System (MGS)
- SawPolish Unit (SPU)
- MacroZoom Unit 1.3 (MZU)
- ElectrolyteStaining Unit (ESU)

# QUALITY ASSURANCE

# MicroGraph System

## Concept

Crimp cross-sectional analysis has quickly become integral to the crimp quality process. With the MicroGraph System (MGS), crimp cross-sectional images can be created in a fraction of the time compared to conventional methods.

The combined sawing-polishing process, innovative electrolyte staining process, and high-precision optics result in high-quality images for a thorough connection analysis. Electrical connections (e.g., crimped, welded, soldered, or spliced) can be cut (sawn), polished, stained (cleaned), and visually analyzed.

The system includes modular components that can be combined according to individual needs. Ergonomically designed worktables are also available to optimize workflow when combining the components in one area. The complete system can also be integrated into mobile carts to create a mobile quality station.

## Applications

- Standard crimp
- Machined contact/indent crimp
- Ultrasonic and resistance welding
- Cutting complete, potted connectors, e.g., IDC

## Specifications

- Refer to individual datasheets for more information and specifications

## Features

### MicroGraph System (MGS)
- Modular system for a variety of applications
- Softwareinterface to Schleuniger CrimpCenter family
- Numerous configuration possibilities such as table, cart or stand alone devices to suit various production requirements

### SawPolish Unit (SPU)
- SPU 6 and SPU 60 units available for processing wires up to 6 mm² (10 AWG) and 60 mm² (1/0 AWG), respectively
- In-line saw and polish discs for optimum process speed
- Carbide cutting blade for long life and precise cutting
- Various blade widths available for processing a wide range of wires

### MacroZoom Unit 1.3 (MZU)
- 2.0 USB camera with 1.3 Megapixel resolution for clear picture quality
- 9 incremental zoom positions for calibration for measurement repeatability and accuracy
- Optional auxiliary lens for expanded field of vision for larger samples
- CrimpLab software for capturing and analyzing the geometry of all key measurements and reporting

### ElectrolyteStaining Unit (ESU)
- Safe and effective staining solution (Ph = 7)
- Staining indicator for instant process feedback
- Multiple staining pen sizes depending on the sample size

## To Be Precise.