SawInspect System 6
Compact Sawing and Inspection System for Crimp Cross Section Analysis

QUALITY ASSURANCE

SawInspect System 6

Concept

The Schleuniger SIS 6 is an extremely compact device for crimp cross section analysis. It's the only one of its kind that combines highly desired features of other individual Schleuniger quality products into one complete system :

- The precision cutting of the SawPolish Unit (SPU 6)
- The high quality microscope of the MacroZoom Unit (MZU 1.3)
- The electrolyte staining of the Electrolyte Staining Unit (ESU 6)

The SIS 6 allows users to create cross sectioned samples in just a few quick steps. The individual sample is placed in the holder and aligned with the saw blade. The unique blade is designed to provide a very clean cut that does not require polishing. After cutting, the sample holder is quickly moved from the blade to the microscope with the use of guide rails. The sample holder rotates 90° allowing for a perfect view of the cross sectioned sample.

All parameters of cross sectioned contacts can be measured and analyzed with the CrimpLab® analysis software. Measurements are performed manually when using the CrimpLab® standard software. The job management feature allows all measurement parameters to be stored for easy recall and test accuracy. The optional CrimpLab® automatic software includes fully automatic contour recognition and measurement of B-crimps. All measurement parameters can be captured in seconds with just a few clicks.

With the SIS 6 processing steps and motions have been minimized to increase efficiency and provide the fastest results.
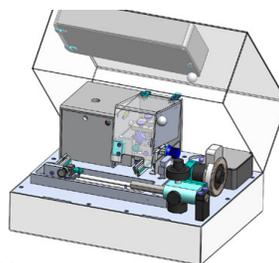
Application

The SIS 6 can be used as a stand-alone system or mounted on a CrimpCenter automatic cut, strip, terminate machine. A variety of sample holders and the optional 0.2 mm VHM cutting blade make it possible to process many different crimp contacts.

Special Features

- Compact design with minimized processing movements and steps for fastest results
- Complete cross section analysis and job management with CrimpLab® software
- Full analysis in seconds after just a few clicks with CrimpLab® automatic software

Options

- 0.2 mm width VHM saw blade
- Different sample holders/clamps
- CrimpLab® automatic analysis software

SIS 6 Mobile

Technical Specifications	
Maximum contact height	9 mm
Blade	VHM / 40 x 0.4 mm
Camera / resolution	USB 2.0 / 1.3 Megapixel
Illumination	LED Ring Light
Field of view	1.8 x 1.5 mm up to 11.7 x 8.7 mm
Lens / zoom steps	Macro Zoom / 10
Cleaning process	Electrolytic staining
Cleaning material	Felt cloth or pen tips
Cleaning agent (Ph)	KMF EL 7 (6.5 – 7)
Analysis software	CrimpLab® Standard / CrimpLab® automatic (optional)
Reporting	pdf report including photo and dimensions
Operating temperature	0° - 50° C (32° - 122° F)
Power supply	90 – 264 V AC, 47-63 Hz, 170 W
Dimensions (L x W x H)	320 x 290 x 400 mm (12.6" x 11.4" x 15.8")
Weight	ca. 15 kg (33 lbs.)
Protective class	IP 20
CE – conformity	The SIS 6 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.

To Be Precise.