



Mobile Cross Section Laboratory

Features

- Quick process flow of 5 to 10 minutes
- No cross section potting
- Evaluation according to DIN and different electrical and physical parameters
- PC specific software for micrograph evaluation
- Coste effective, short amortization time
- Automatic feed & retract Cutting module
- High Speed with fine adjustment Grinding module
- Optional electrolyte Etching module
- Easy fixation station for sample holder
- Acrylic safety cover, no safety glasses during sample processing
- High Quality low distortion Optic Imaging module
- Secure mechanism for Optic during transportation
- Super bright white LED illumination, low heat
- Adjustable X, Y, Z table with fine adjustment
- Come with calibration ruler from Heidenhain
- 1.3 Mpixels USB 2.0 Camera
- SL Vision II Evaluation & Documentation module

Nowadays quick and significant process monitoring gains increasing importance as a competitive factor. The mobile CSL brings you a decisive advantage in order to evaluate the quality of your crimp connections simply and safely, fast and economically priced.

Due to the mobility you can use the mobile CSL everywhere. Thereby you are able to decide on the release for production, e. g. after a tool change, in best time and on site.

You will lose less of your value scooping production time.

The CSL is designed for Tyco Electronics contact systems but is not restricted to them.

With a modified sample holder, cross sections of competitors products are also possible.

Technical Data

Cutting Module

- Range 0.22 mm² to 6.00 mm²
- Speed 2800 rpm
- Feed rate 2 mm/s
- Cutting Wheel ID 12.7 mm, OD 100mm, Thickness 0.5 mm

Imaging Module

- High Quality Monocular Scope, c/w standard 10x Eyepiece
- Magnification range 0.75x, 1.0x, 1.5x, 2.0x, 2.5x, 3.0x, 3.5x, 4.0x, 4.5x, 5.0x
- Steps indentation on 1x, 2x, 3x, 4x, 5x
- Adjustable X Y Z table under scope, range +/- 6 mm all axis
- Field Of View from 1.2 mm to 8.2 mm (X-direction)
- Adjustable illumination with 4x Segmented super bright white LED

Dimensions & Weight

- Weight approx. 30 kg
- Size [mm]
LxWxH = 490 x 340 x 340

Grinding Module

- Speed 2800 rpm
- Z adjustable range for grinding 0.0 mm - 0.5 mm
- Adhesive sandpaper OD-100 mm

Evaluation & Documentation Module

- 1.3 Mega pixels USB 2.0 camera with SL Vision II software
- Enhanced measurement tools including compression ratio etc., in compliance with Automotive Industry requirement

Etching Module

- Range up to 6 mm², electrolyte process
- Processing time 5 to 30 seconds

Power Requirement

- 230 VAC, 50 Hz , 300 W

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