

Cross Section Monitor CS05W

A cross-section evaluation of a crimped terminal takes only about five minutes.

1.3M pixels USB camera

You can set a sample piece held in the clamping holder under the USB camera and see its image. You don't almost need finely tuning the camera's setting because the camera height and position is aligned with the clamping holder.

Zoom lens with an LED light

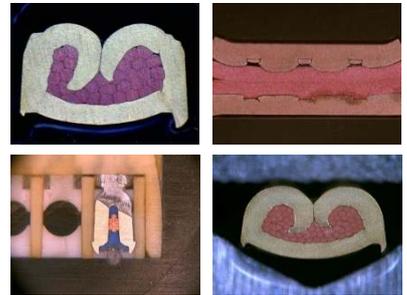
CS05W employs 6x zoom lens (optical zoom ratio 0.75x to 0.45x). A taken image by the camera can be enlarged and is downloaded to your PC. Images are shown on a 14 inch display as 45x to 260x sizes.

You can check even details of extra fine wires, if they are AWG30 or bigger.

And it has a white LED unit with the brightness controller on the lens bottom.



CS05W is a comprehensive system for the cross-section checking process. With it, you can perform all parts; cutting, grinding and analyzing.



Cutting

The 0.5mm (thickness) cutter automatically cuts a sample piece.

Press the cutting switch after setting the clamp holder with a sample piece attached. With only this press, cutting starts, thanks to the automatic sample feeding function.



Grinding

A built-in tray is available. You can grind even cross-sections of serration parts and insulation barrel parts, pouring water.

CS-05W specifications

Drive	DC motor
Handling wire size	AWG36 to AWG10
Cutter disc size	Φ90mm×0.5mm
Fine grinder size	Φ120mm(grain size1200)
LED light	White 6LED, 20W
Power source	AC100 to 240V (50/60Hz)
Power consumption	70W
Outer dimension	W520×D320×H255
Weight	23kg



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Crimp cross-section analysis software X-Scan

This is PC software to measure crimp cross-section images. You can measure crimp height and compression ratio with it.

Outer boundaries of strands and conductor crimps are created automatically or semi-automatically. Crimped strands area and compression ratio can be calculated very easily.

Useful measurement functions

X-Scan has each measurement standards for main automobile manufacturers. Therefore, you can perform measurements to meet each standard. Moreover, you can create new items to measure and list them, which allows you to perform them easily from the next time onwards.



Features

- Both modes of live Image and still Image are available.
- Measurement assistant function can allow everyone to perform measurement easily.
- Output of measurement results (JPG images and data results to Excel)
- Easy comparison of samples with image database functions
- Multilingual



Output report (sample)