

SolarModule EL-lab

Electroluminescence Module Inspection

Innovative inspection solutions
for the photovoltaic industry



Stand-alone high resolution inspection system
for electroluminescence imaging in the laboratory

- Ease of use software
- Auto report function
- Premium image quality
- Made in Germany

The SolarModule EL-lab is a stand-alone high resolution electroluminescence inspection system. The system is designed for the inspection of modules before and after lamination. The high sensitive cooled NIR CCD cameras and the easy to use software are making this system perfect for the lab.

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Field of Application

The **SolarModule EL-lab** is a high resolution stand-alone electroluminescence inspection system. The SolarModule EL-lab allows easy operation combined with premium quality electroluminescence images.

Proven automatic image processing software developed by MBJ Solutions GmbH detects all relevant defects like micro cracks, dark areas and finger interruptions. A user friendly graphical user interface displays all defects to the operator.

All image and result data are stored with the module ID. The automatic report function generates a Word file with all relevant images and result information.



The user friendly graphical user interface

Model	SolarModule EL-lab
Resolution	170 µm (72 MPixel)
Camera type	cooled NIR CCD cameras
Module size	Non-laminated and framed crystalline modules
Max. module size	1050 x 2050 mm / 1350 x 2050 mm
Image aquisition time	35 sec
Dimensions (W x L x H)	1200 x 2415 x 1245mm / 1520 x 2415 x 1245 mm



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