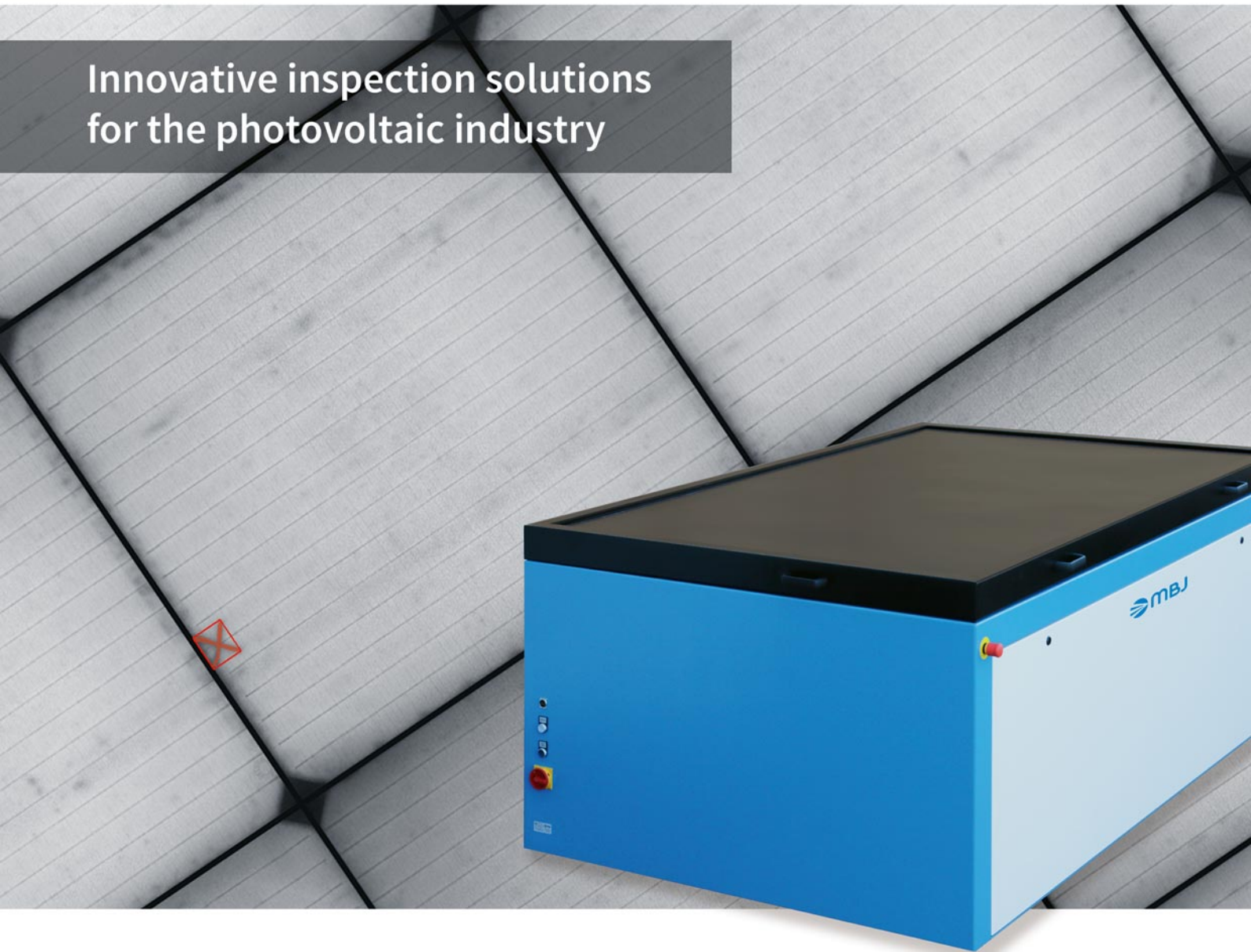


SolarModule EL-lab 2.0

Electroluminescence Module Inspection

Innovative inspection solutions
for the photovoltaic industry



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

- Easy-to-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 CMOS cameras and the easy to use software are making this system perfect for the lab.

SolarModule EL-lab 2.0

Electroluminescence Module Inspection



Field of Application

The **SolarModule EL-lab 2.0** is a high resolution stand-alone electroluminescence inspection system designed to inspect framed or unframed solar modules before or after lamination.

The system captures and displays electroluminescence images of each individual solar cell so defective cells can be identified and the overall quality of the solar module under test can be graded accurately.

The SolarModule EL-lab allows easy operation combined with premium quality electroluminescence images. 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

	EL-lab 2.0	EL-lab 2.0 HR	EL-lab 2.0 HR (2400)
Max. module sizes	1300 x 2200 mm	1300 x 2200 mm	1300 x 2400 mm
Camera type	SolarCam3	SolarCam5	SolarCam5
No. of cameras	2	4	4
Resolution	280 µm/pixel	180 µm/pixel	180 µm/pixel
Image acq. time	< 25 sec	< 35 sec	< 40 sec
Module contacting	Manual by solar connector or crocodile clamps		
Module types	Framed modules or non-laminated modules, mono or multi-crystalline		