

# MBJ Mobile EL

## In-situ and on-site module testing



- Field proven design
- Automatic Reporting
- Made in Germany

## High resolution on-site electroluminescence testing with the light weight in-situ system

The MBJ Mobile EL is a light weight easy to handle system for in-situ high resolution electroluminescence module testing. With the Mobile EL hidden defects - like micro cracks and inactive areas - can be identified quickly and reliable directly on site. Disassembly of already installed modules for EL testing is not necessary.

# MBJ Mobile EL

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## Field of Application

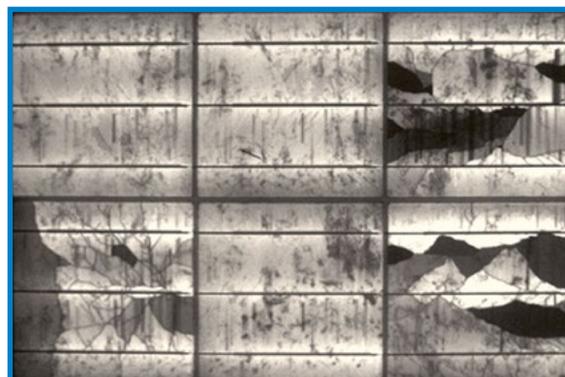
The MBJ Mobile EL is designed for the acquisition of high quality electroluminescence data at the power plant without the need to unmount the installed panels. The EL images provide up to 10 Mpixel resolution per panel allowing the detection of micro cracks, the main goal of any EL testing.

The intuitive software supports the operator decision based on the MBJ judgment criterias. The result is automatically compiled into a detailed report and stored as PDF document. Additionally, measured data is saved into a database.

## Innovative inspection solutions for on-site testing

Analysis can be done on-site or later in the office. The office analysis software is included in the system package. Image collection on-site has to be done after dark to avoid the influence of any level of sun irradiation. Single panels can also be tested indoors in a darkend room. The stand alone system is delivered in a compact transport case with an integrated power supply and laptop PC.

The equipment is compact and lightweight, easy to setup and intuitive to use.



EL image (5 Mpixel)



Packed every thing fits into one metal box making it easy to transport the system to any location.

MBJ Mobile EL	
EL Camera	CMOS camera with 5 Mpixel, (~ 600µm/pixel) night time/ dark room operation
EL power supply	up to 60 Volt / 25 Ampere
EL software	panel based presentation, image stitching, automatic reporting
Module types	up to 1200 x 3000 mm, with three images (stitched by SW)
Main unit	EL power supply, high end notebook with EL SW and result database
Measuring head	light weight aluminum frame, foldable



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