

# Mobile EL basic

## In-situ and on-site module testing

Innovative inspection solutions  
for on-site testing



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

- Field proven design
- Fastest throughput
- Automatic Reporting
- Made in Germany

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

# Mobile EL basic

## In-situ and on-site module testing



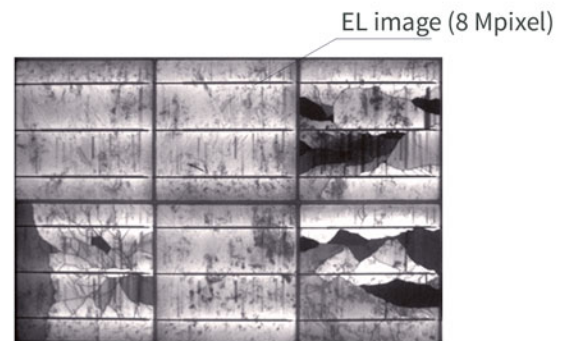
Compact and easy to use equipment



### Field of Application

The Mobile EL basic system allows high quality electroluminescence testing at the power plant without the need to unmount the installed panels. The EL images provide up to 8 Mpixel resolution per panel which allows 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. Analysis and reporting can be done on-site or later in the office in a second step. 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 PC system with UPS functionality.



Model	Mobile EL-basic
EL camera	CMOS camera with 5 Mpixel, (~600µm/pixel) night time/ dark room operation
EL power supply	up to 250 Volt / 12 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