MBJ Camera Set
for integration into sun simulators

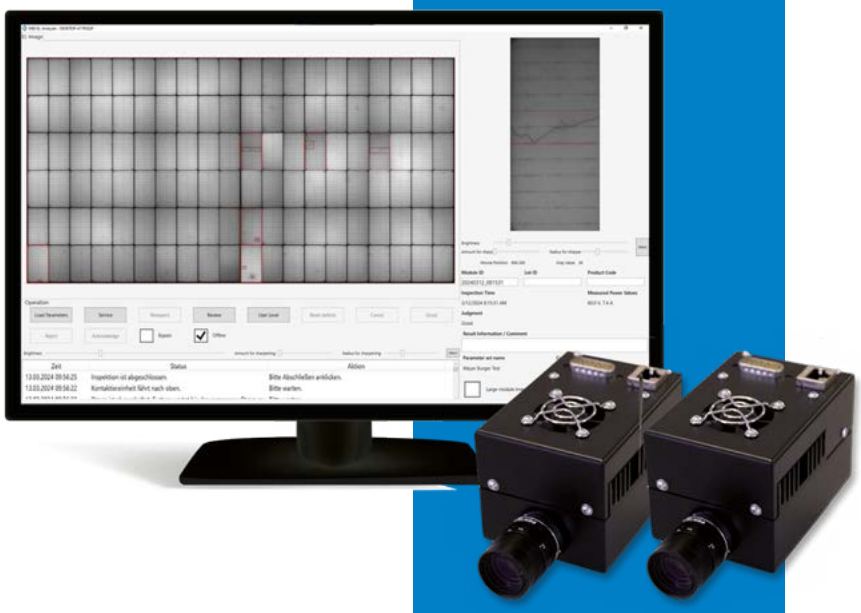
solutions to meet the needs

EL inspection for the integration into sun simulators

The MBJ camera set is an electroluminescence inspection solution for the integration into sun simulators.

The integration into a sun simulator allows measuring the IV curve and doing the EL inspection in one position.

Electroluminescence imaging at the end of line ensures the quality of the produced modules.



- Good image quality
- Fast image aquisition
- Easy to use
- Made in Germany

Technical specification	2x12 MPixel	2x20 MPixel
Camera type	Cooled CMOS cameras	
Field of View*)	1638 x 2300 mm	1860 x 2380 mm
Pixel resolution*)	400 µm	340 µm
Working distance*)	1415 mm	1724 mm
Focal length*)	12 mm	
Image acquisition time	< 3 s @ 10 A	< 5 s @ 10 A
Operation mode	Full automatic image acquisition, manual judgment through operator	
Module connection	The contact for the EL measurement is made via the sun simulator and the switch box connected in between	
Scope of delivery	Cameras, lenses, cabinet with PC, bracket for cameras, switch box, cable set	

*) Optical design with a 12 mm lens, other designs are possible

Go to product:

MBJ Camera Set

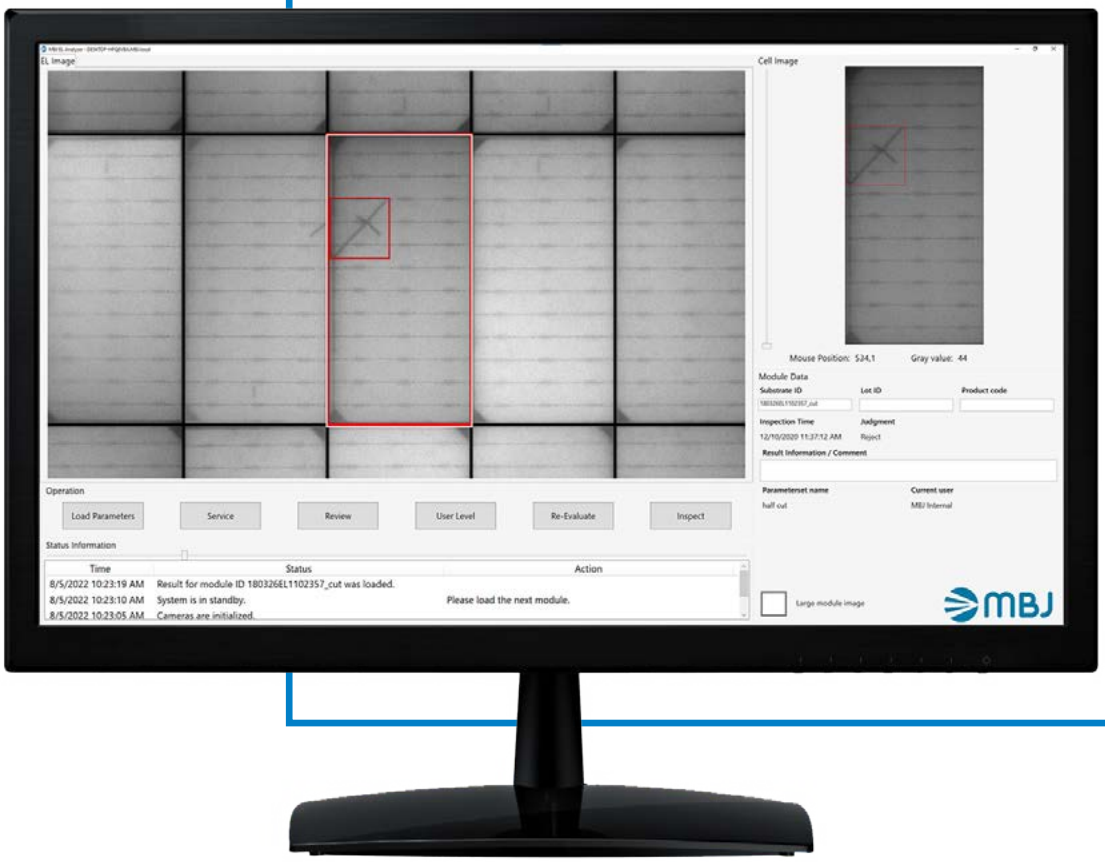
Field of Application

The MBJ Camera Set is an electroluminescence inspection system for the integration into existing or new tower or tunnel sun simulators.

The two fixed CMOS cameras mounted inside of the sun simulator are offerring a good image quality. The system is available with 24 and 40 Megapixel.

It is the perfect tool to visualize typical hidden defects like inactive areas, soldering defects and micro cracks on modules. It is the tool of choice to proof the quality of the produced solar modules at the end of line.

The integration with the included switch box is simple and can be done with all tower and tunnel sun simulators like Pasan, Berger and H.A.L.M.



The user friendly graphical user interface

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